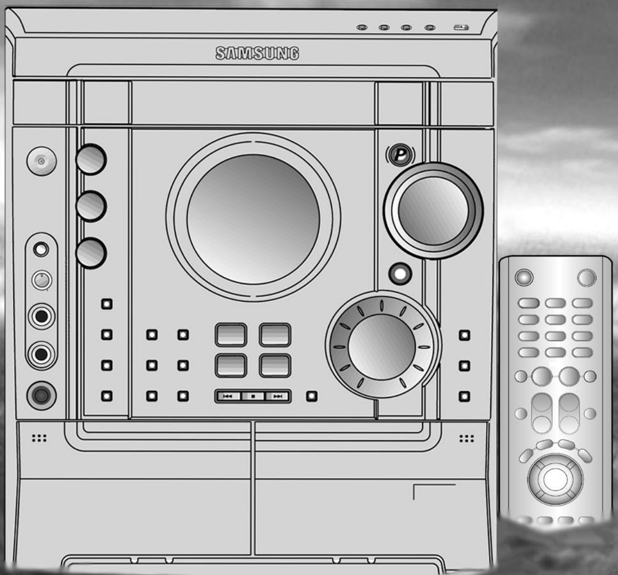
SAMSUNG

THREE-CD CHANGER MINI-COMPACT SYSTEM

VCD/MP3-CD/CD-R/RW PLAYBACK

MAX-VJ650

Instruction Manual



Safety Warnings

CLASS 1 LASER PRODUCT
KLASSE 1 LASER PRODUKT
LUOKAN 1 LASER LAITE
KLASS 1 LASER APPARAT
PRODUCTO LASER CLASE 1

CLASS 1 LASER PRODUCT

This Compact Disc player is classified as a CLASS 1 LASER product.

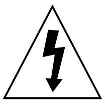
CAUTION

RISK OF ELECTRIC SHOCK.
DO NOT OPEN

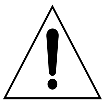
CAUTION:
TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE REAR COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

CAUTION-INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED, AVOID EXPOSURE TO BEAM.



This symbol indicates that dangerous voltage which can cause electric shock is present inside this unit.



This symbol alerts you to important operating and maintenance instructions accompanying the unit.

WARNING: To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

Contents

Thank you for buying this SAMSUNG mini-compact system.

Please take time to read these instructions. They will allow you to operate your system with ease and take full advantage of its features.

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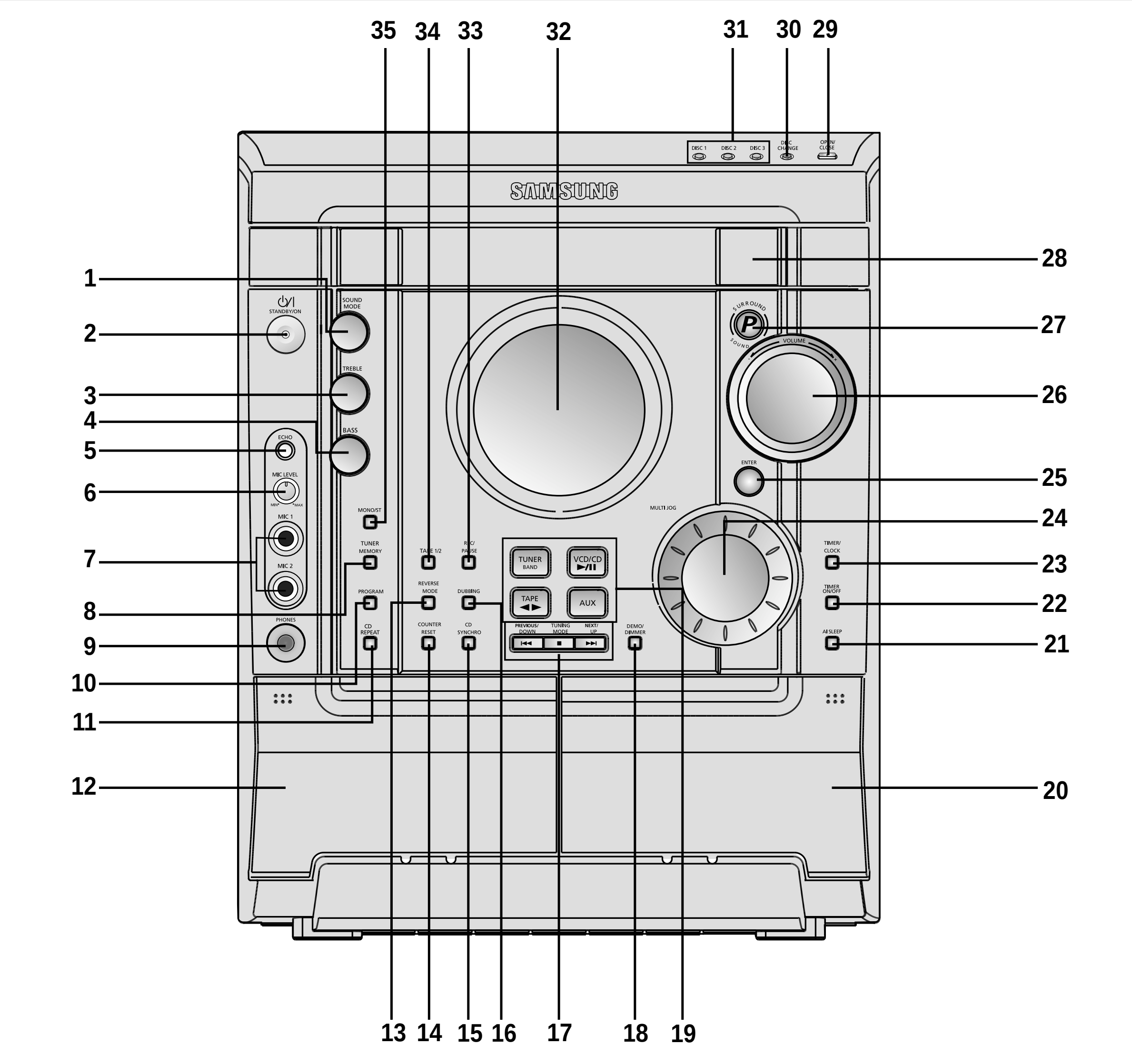
Symbols

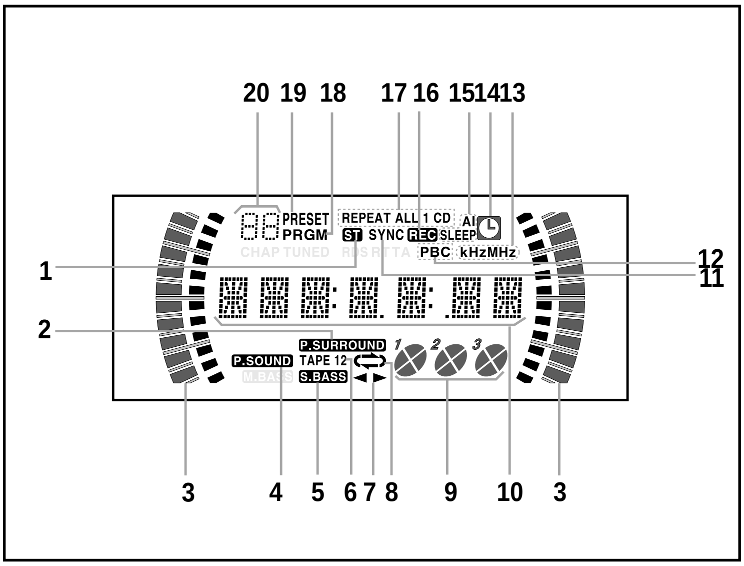
▲	▲	☛	➢
Press	Push	Important	Note

Front Panel View


35
34
33
32
31
30
29
SAMSUNG
DISC 1
DISC 2
DISC 3
DISC CHANGE
OPEN/CLOSE
STANDBY/ON
SOUND MODE
TREBLE
BASS
ECHO
MIC LEVEL
MIC 1
MIC 2
PHONES
MONO/ST
TUNER MEMORY
PROGRAM
CD REPEAT
TAPE 1/2
REC/PAUSE
REVERSE MODE
DUBBING
COUNTER RESET
CD SYNCHRO
TUNER BAND
VCD/CD
TAPE
AUX
PREVIOUS/DOWN
TUNING MODE
NEXT/UP
DEMO/DIMMER
MULTI JOG
SURROUND
SOUND
VOLUME
ENTER
TIMER/CLOCK
TIMER ON/OFF
AI SLEEP
1
2
3
4
5
6
7
8
9
10
11
12
28
27
26
25
24
23
22
21
20
13
14
15
16
17
18
19

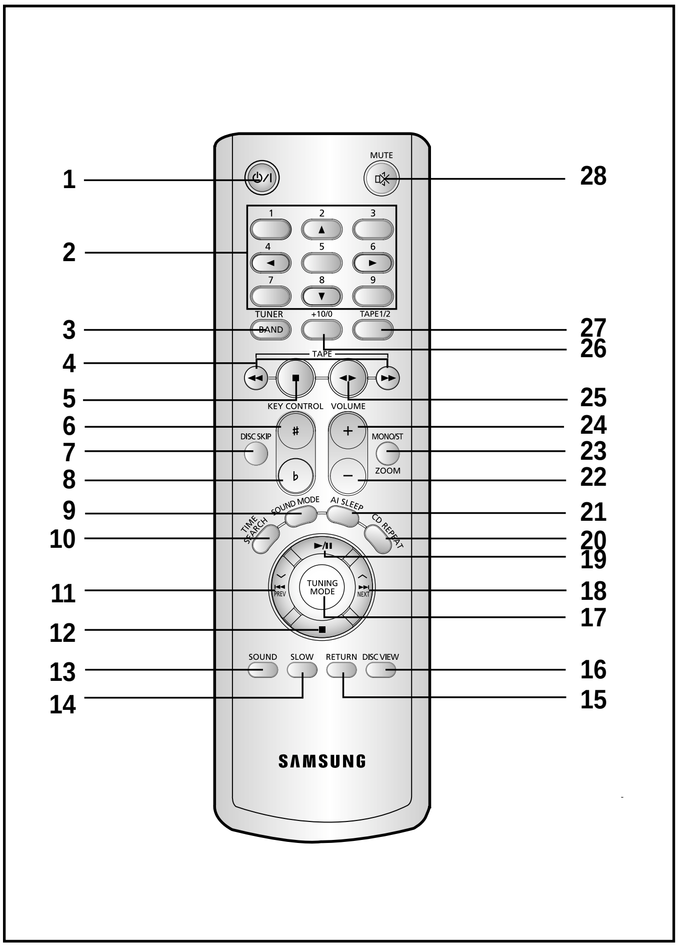
1. Sound Mode
2. Standby/On
3. Treble
4. Bass
5. Echo (option)
6. MIC Level(option)
7. MIC1,MIC2(option)
8. Tuner Memory
9. Headphone Jack Connector
10. CD Program
11. CD Repeat
12. Cassette Deck 1
13. Tape Reverse Mode
14. Tape Counter Reset
15. CD Synchro Recording
16. Tape Normal Speed Dubbing
17. Search Function buttons
    Tuning Mode or Stop button
18. Demo/Dimmer
19. Function Selection buttons
20. Cassette Deck 2
21. AI Sleep
22. Timer On/Off
23. Timer/Clock
24. Multi Jog
25. Enter
26. Volume
27. Power Surround/Power Sound
28. Compact Disc Compartment
29. CD Open/Close
30. CD Disc Change
31. CD Disc Selection buttons
32. Window Display
33. Record/Pause
34. Tape 1/2
35. FM Mono/Stereo

Window Display


20 19 18 17 16 15 14 13
PRESET
PRGM
REPEAT ALL 1 CD
AI
ST SYNC REC SLEEP
CHAP TUNED RDS RT TA PBC kHzMHz
P.SURROUND
P.SOUND TAPE 12
M.BASS S.BASS
1 2 3
12
11
1
2
3 4 5 6 7 8 9 10 3

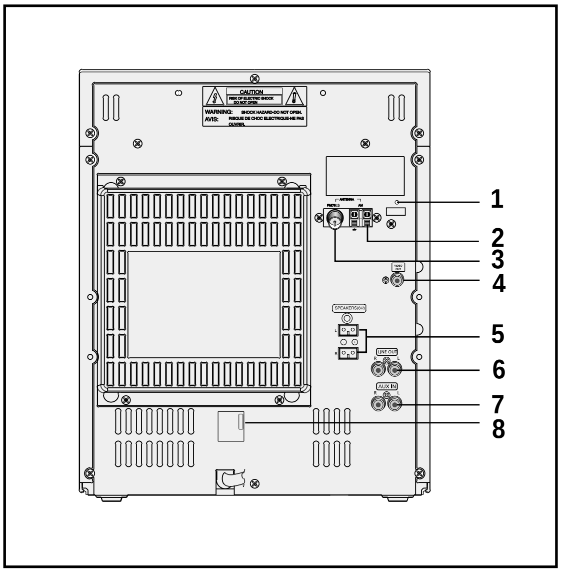
1. FM MODE (STEREO)
2. POWER SURROUND
3. VOLUME
4. POWER SOUND
5. SUPER BASS
6. TAPE 1/2
7. TAPE REVERSE MODE
8. TUNING MODE (AUTO)
9. PLAYING DISC NUMBER
10. MAIN DISPLAY (FUNCTION,FREQUENCY,TIME,ETC.)
11. CD SYNCHRO RECORDING
12. PBC
13. TUNER FREQUENCY UNIT
14. CLOCK
15. AI SLEEP
16. RECORDING
17. CD PLAYING DISC MODE OR CD REPEAT MODE
18. CD PROGRAM OR TUNER MEMORY TO PROGRAM
19. TUNER PRESET
20. CD PROGRAM AND TUNER PRESET NUMBER

Remote Control


MUTE
1 2 3 4 5 6 7 8 9
TUNER
BAND
+10/0
TAPE1/2
TAPE
KEY CONTROL
VOLUME
DISC SKIP
MONO/ST
ZOOM
SOUND MODE
AI SLEEP
TIME SEARCH
CD REPEAT
TUNING MODE
PREV
NEXT
SOUND
SLOW
RETURN
DISC VIEW
SAMSUNG
1 2 3 4 5 6 7 8 9 10 11 12 13 14
28 27 26 25 24 23 22 21 20 19 18 17 16 15

1. STANDBY/ON
2. Digit Buttons/Direction Buttons
3. TUNER BAND
4. TAPE Rewind/TAPE Fast-Forward
5. Tape Stop
6. Key Control ♯
7. Disc Number Skip
8. Key Control ♭
9. Sound Mode
10. Time Search (Last Memory)
11. Track Previous
12. CD Stop
13. Sound
14. VCD Slow Play
15. Return
16. Disc View
17. Tuning Mode
18. Track Next
19. Disc Play/Pause
20. CD Repeat
21. AI Sleep
22. Volume Decrease
23. FM Mono/Stereo/VCD zoom
24. Volume Increase
25. TAPE Play
26. +10/0
27. TAPE 1/2
28. Mute

Rear Panel View

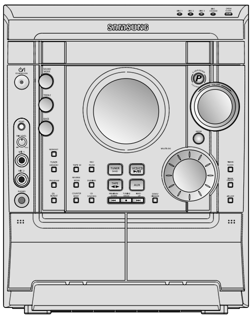


1. **SW Aerial Connector Terminal(option)**
2. **AM Aerial Connector Terminals**
3. **FM Aerial Connector Terminal**
4. **Video Output Connector**
5. **Speaker Connector Terminals**
6. **Line out Connector Terminals**
7. **AUX-Input**
8. **Voltage Selector(option)**

Where to Install Your Mini-Compact System

To take full advantage of your new mini-compact system, follow these installation instructions before connecting the unit.

- Install the system on a flat, stable surface.
- Never place this unit on carpeting.
- Never place this unit in an outdoor area.
- Maintain an open space of approximately 6 inches (15 cm) on the sides and rear of the system, for ventilation purposes.
- Make sure that you have enough room to open the compact disc compartment easily.
- Place the loudspeakers at a reasonable distance on either side of the system to ensure good stereo sound.
- Direct the loudspeakers towards the listening area.
- For optimum performance, make sure that both speakers are placed at an equal distance above the floor.



Connecting your System to the Power Supply

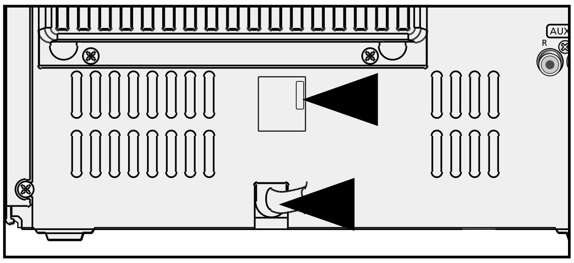
The main lead must be plugged into an appropriate socket.

☛ Before plugging your system into a main socket, you must check the voltage setting (OPTIONAL). If the voltage of the socket does not correspond to the setting on the rear of the unit, you may seriously damage your system.

1 Check the position of the **Voltage selector** on the rear of the system (OPTIONAL).

2 Plug the main lead (marked **AC Cord** on the rear of the system) into an appropriate socket.

3 Press the **STANDBY/ON** button to switch your mini-compact system on.



Inserting Remote Control Batteries

Insert or replace remote control batteries when you:

- Purchase the mini-compact system
- Find that the remote control is no longer operating correctly

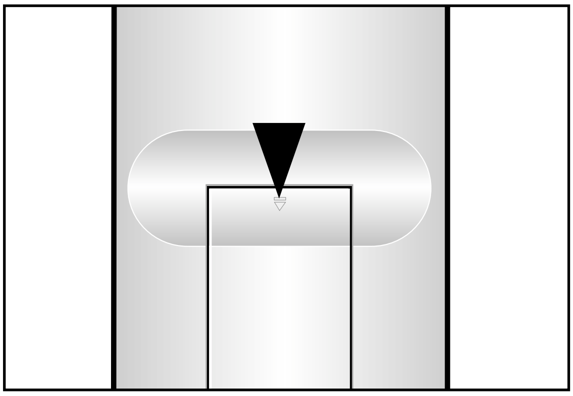
☛ When replacing the batteries, use a new set of batteries and never mix alkaline and manganese batteries.

1 Place your thumb on the position marked ▽ on the battery compartment cover (rear of the remote control) and push the cover in the direction of the arrow.

2 Insert two AAA, LR03 or equivalent batteries, taking care to respect the polarities:
  - + on the battery against + in the battery compartment
  - – on the battery against – in the battery compartment

3 Replace the cover by sliding it back until it clicks into position.

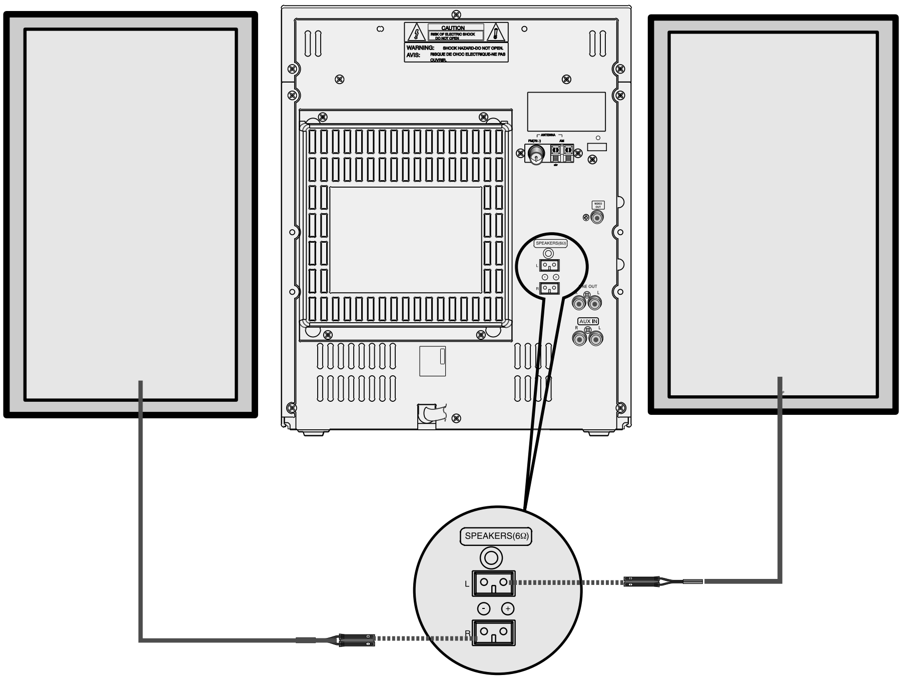
➢ If you will not be using the remote control for a long time, remove the batteries to prevent corrosion.



Connecting the Loudspeakers

Connect the connecting jacks (2) to the back of mini-compact system.

- Make sure the polarities (+and -) are correct.
- Left speaker wire should be connected to mark “L” of the unit back.
  Right speaker wire should be connected to mark “R” of the unit back.



Directions in Installing Speaker

- Installation in a place near heating apparatus, under direct lay of light or with high humidity may cause performance degradation of the speaker.
- Do not install on the wall or on a high place of pole or other unstable place to prevent any safety accident caused by falling of the speaker.
- Do not take the speaker apart from TV or computer monitor.
  The speaker near the TV or computer monitor may influence the quality of the screen display.

Connecting to an External Source

The auxiliary input can be used to take advantage of the sound quality of your mini-compact system when listening to other sources.

Examples:
- ♦ A television
- ♦ A video disc player
- ♦ A Hi-Fi stereo video cassette recorder

➣ To connect the external source, the source must have an audio output. In addition, you need an RCA connection cable.

---

1 Set the system to standby mode and disconnect it and the external source from the main.

2 Connect the audio cable to the rear of the mini-compact system.

Connect the...	To the connector marked...
Red jack	R (right)
White jack	L (left)

➣ For optimum sound quality, do not invert the right and left channels.

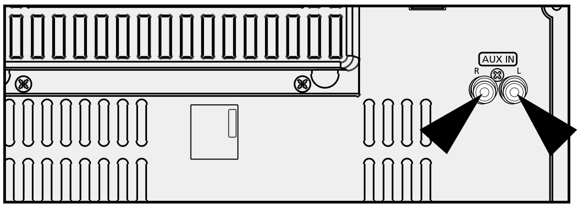
3 Plug the system back into the main socket and press **STANDBY/ON** to switch it on.

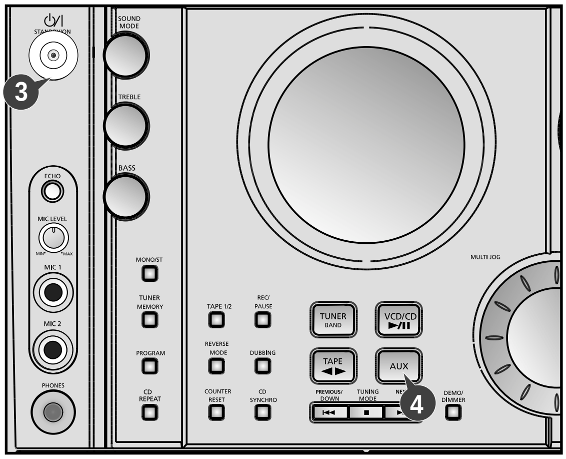
4 Select the AUX source by pressing **AUX**.
Result: **AUX** is displayed.

5 Switch the external source on.

6 Adjust the volume and balance as required:
♦ Volume ♦ Equalizer

Example: You can watch a film and take advantage of stereo sound provided that the original sound track is in stereo (as if you were in a cinema).

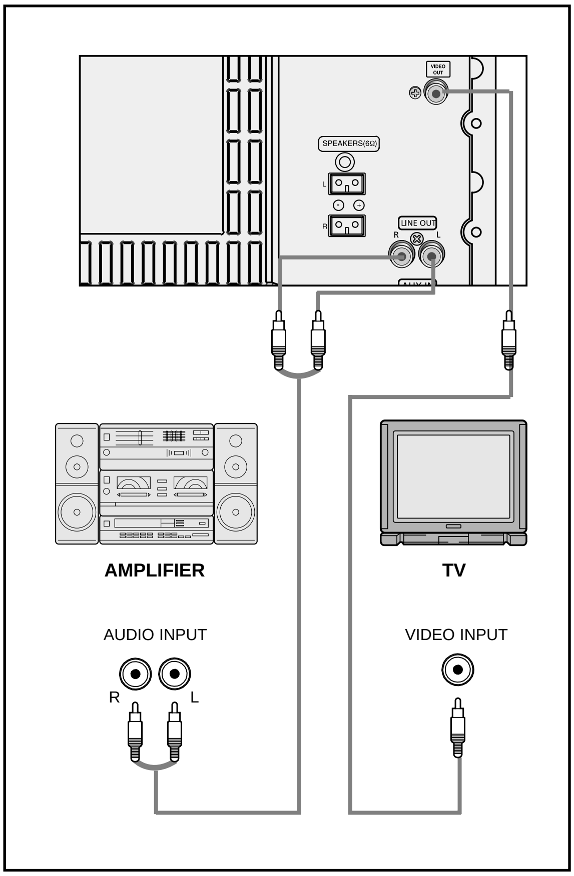



STANDBY/ON
3
SOUND MODE
TREBLE
BASS
ECHO
MIC LEVEL
MIN
MAX
MIC 1
MIC 2
PHONES
MONO/ST
TUNER MEMORY
PROGRAM
CD REPEAT
TAPE 1/2
REC/ PAUSE
REVERSE MODE
DUBBING
COUNTER RESET
CD SYNCHRO
TUNER BAND
VCD/CD ►/II
TAPE ◄►
AUX
4
PREVIOUS/ DOWN
TUNING MODE
NEXT
DEMO/ DIMMER
MULTI JOG

Connecting to the Equipment

- ♦ Using the Audio Cord, Connect the Audio Output Terminals (Left, Right) of the System with the Audio Input Terminals (Left, Right) of the Video Input Cassette Recorder, so as to Record VCD.
- ♦ Using the Video Cord, Connect the Video Output Terminal of the system with the Video Input Terminal of TV.
- ♦ Turn on the TV and Select the Video mode by pressing the TV/VIDEO SELECT button to the VIDEO Position.

☛ Please Pay Attention not to Connect the Audio Output Terminals (left, right) of the System with the Audio Input Terminal of TV.


VIDEO OUT
SPEAKERS(6Ω)
L
R
LINE OUT
R
L
AUX IN
AMPLIFIER
TV
AUDIO INPUT
R
L
VIDEO INPUT

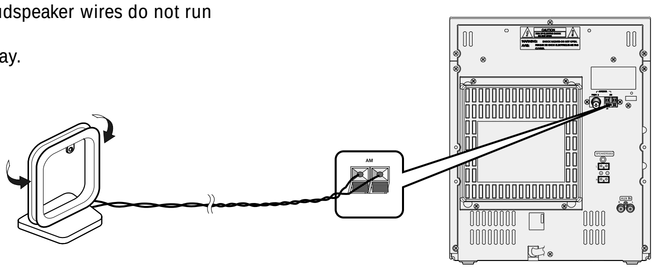
Connecting the AM (MW)/LW Aerial

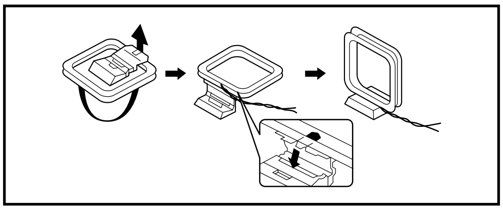
The AM aerial (for long and medium waves) can be:

- Placed on a stable surface
- Fixed to the wall (you must first remove the base)

The **AM** aerial connector terminals are located on the rear of the system and are marked **AM** .

☛ To avoid noise interference, check that the loudspeaker wires do not run close to the aerial wires.
Always keep them at least 2 inches (5 cm) away.

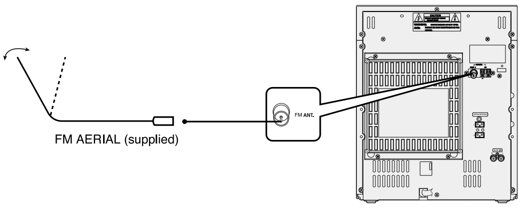


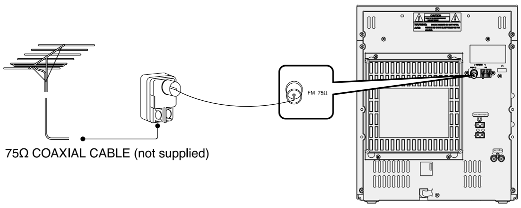


Connecting the FM Aerial

How to connect a COAXIAL TYPE aerial.

- Connect a 75Ω antenna to the **FM** antenna terminal.
- Plug the connector on the **FM** aerial supplied into the coaxial socket (75Ω) marked **FM** on the rear of the system.
- Follow the instructions given on Page 18 to tune into a radio station, and determine the best position for the aerial.
- If reception is poor, you may need to install an outdoor aerial.
  To do so, connect an outdoor **FM** aerial to the **FM** socket on the rear of the system using a 75Ω coaxial cable (not supplied).

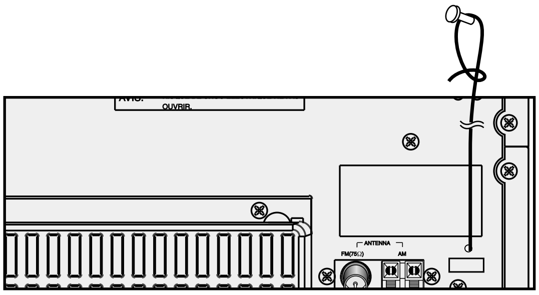




Connecting the SW Aerial (option)

How to connect a WIRE TYPE aerial.

- Spread the **SW** aerial out and attach the ends to a wall, in the position providing the best reception.
- If reception is poor (e.g. distance from transmitter too great, walls blocking the radio waves, etc.), install an outdoor aerial.



DEMO/DIMMER function

All functions available on the system can be viewed on the display and the display's brightness can be switched between "on" and "off".

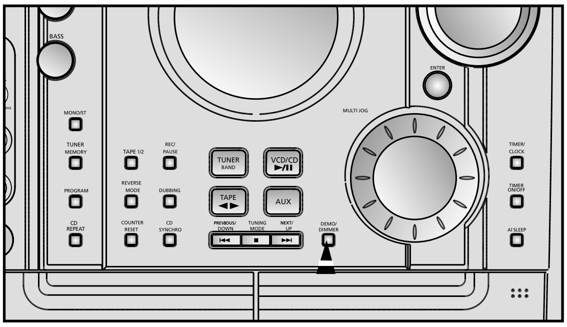
1 Press the **DEMO/DIMMER** button.
Result: All functions available on the system appear on the front panel display.

➢ Each of these are explained in detail in this guide. Please refer to the relevant section.

2 Press the **DEMO/DIMMER** button again.
Result: The Dimmer function is selected and the display darkens.

➢ Press the **DEMO/DIMMER** button once again to brighten the front panel display.

3 A display brightness control can only be performed while the system power is on.


BASS
MONO/ST
TUNER MEMORY
TAPE 1/2
REC/PAUSE
TUNER BAND
VCD/CD ►/II
ENTER
MULTI JOG
TIMER/CLOCK
PROGRAM
REVERSE MODE
DUBBING
TAPE ◄►
AUX
TIMER ON/OFF
CD REPEAT
COUNTER RESET
CD SYNCHRO
PREVIOUS/DOWN
TUNING MODE
NEXT/UP
DEMO/DIMMER
AI SLEEP

Setting the Clock

Your system is equipped with a clock which allows you to turn your system on and off automatically.
You should set the clock:

- ◆ When you first purchase the mini-compact system
- ◆ After a power failure
- ◆ After unplugging the unit

☛ ◆ For each step, you have a few seconds to set the required options. If you exceed this time, you must start again.

1 Switch the system on by pressing **STANDBY/ON**.

2 Press **TIMER/CLOCK** twice.
Result: **CLOCK** is displayed.

3 Press **ENTER**.
Result: The hour flashes.

4

To...	**Turn the MULTI JOG knob to the...**
Increase the hours	Right
Decrease the hours	Left

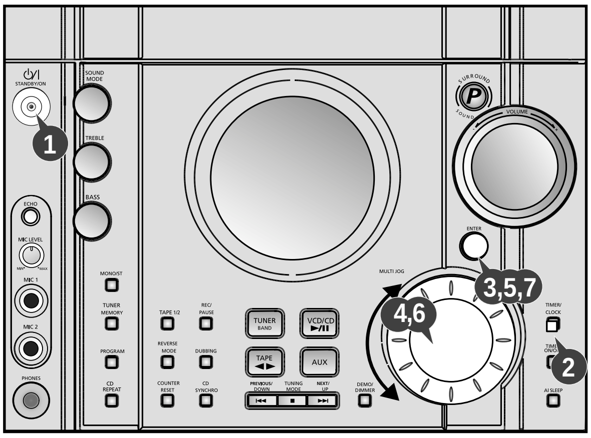
5 When the correct hour is displayed, press **ENTER**.
Result: The minutes flash.

6

To...	**Turn the MULTI JOG knob to the...**
Increase the minutes	Right
Decrease the minutes	Left

7 When the correct time is displayed, press **ENTER**.
Result: The clock starts and is displayed, even when the system is in standby mode.

➢ ◆ You can display the time, even when you are using another function, by pressing TIMER/CLOCK once.
◆ You can also use ⏮ / ⏭ buttons to instead MULTI JOG knob in step 4, 6.


STANDBY/ON
SOUND MODE
1
TREBLE
BASS
ECHO
MIC LEVEL
MIC 1
MIC 2
PHONES
SURROUND SOUND
VOLUME
ENTER
MULTI JOG
3,5,7
4,6
2
MONO/ST
TUNER MEMORY
TAPE 1/2
REC/PAUSE
TUNER BAND
VCD/CD ►/II
TIMER/CLOCK
PROGRAM
REVERSE MODE
DUBBING
TAPE ◄►
AUX
CD REPEAT
COUNTER RESET
CD SYNCHRO
PREVIOUS/DOWN
TUNING MODE
NEXT/UP
DEMO/DIMMER
AI SLEEP

Loading and Changing Compact Discs

The disc changer can contain up to three 12 cm or 8 cm compact discs without using an adapter.

☛ Never force the compact disc carrousel when opening and closing the compartment.

Never press down or place objects on the carrousel.

➢ Always treat your compact discs with care; refer, if necessary, to the section entitled “**Precautions When Using Compact Discs**” on page 26.

1 Switch the system on by pressing **STANDBY/ON**.

2 Press the **OPEN/CLOSE**(⏏) button on the front panel.
Result: The compartment opens.

3 Place one or two discs in the front slots of the carrousel, with the label on the discs facing upwards.
☛ Check that the compact disc has been correctly inserted in the holder before closing the compartment.

4 If you wish to load a third compact disc, press the **DISC CHANGE** button on the front panel (or **DISC SKIP** on the remote control).
Result: The carrousel rotates by 120°.

5 Close the compartment by pressing the **OPEN/CLOSE**(⏏) button again.
➢ If you wish to start playing a disc directly, you can also proceed as follows.

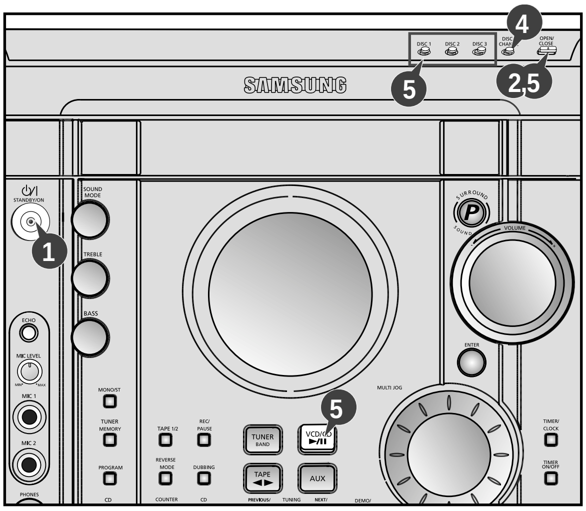
To play...	**Press...**
Disc 1	VCD/CD (▶/❚❚) or Disc 1
Disc 2	Disc 2
Disc 3	Disc 3

Result: The compartment closes automatically and the disc selected starts playing.

6 To change or unload the compact disc changer, repeat Steps **2** to **5**.

☛ Keep the compartment closed whenever you are not using it, to prevent dust from entering.

➢
- ◆ You can load or unload compact discs when the radio, tape or auxiliary source function is selected.
- ◆ The function will be automatically entered VCD/CD from the other source when you press CD OPEN/CLOSE button.


4
5
2,5
DISC 1
DISC 2
DISC 3
DISC CHANGE
OPEN/CLOSE
SAMSUNG
STANDBY/ON
1
SOUND MODE
TREBLE
BASS
ECHO
MIC LEVEL
MIC 1
MIC 2
PHONES
VOLUME
ENTER
MULTI JOG
MONO/ST
TUNER MEMORY
TAPE 1/2
REC/PAUSE
TUNER BAND
VCD/CD ▶/❚❚
5
PROGRAM
REVERSE MODE
DUBBING
TAPE ◀▶
AUX
TIMER/CLOCK
TIMER ON/OFF

To replay the CD/MP3

This is a player that enables the playback of audio CD, CD-R, CD-RW , MP3-CD , VCD but does not possess the function that saves MP3 files.

☛ Do not use CDs of irregular shapes like heart or octagon shapes. The performance of the player may be degraded.

➢ At least more than one CD should be inserted for playbacks.

1 Press the **STANDBY/ON** button to switch on the power.

2 Press the **VCD/CD**(▶/❚❚) of the main unit to select the CD function.

3 Insert more than one CD or a MP3-CD.

4 Press the **VCD/CD**(▶/❚❚) button on the front panel or the ▶/❚❚ button of the remote control.
➢
- ◆ If there is more than one CD or an MP3-CD inserted, replays are then processed in order.
- ◆ Your CD Player will take a few moments to scan through all the tracks recorded on a particular MP3-CD.

5 Adjust the volume according to needs with the following procedures.
- ◆ Turn the VOLUME control on the front panel

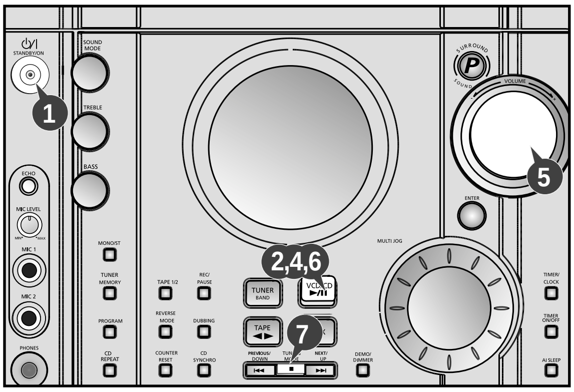
or
- ◆ Press the VOLUME + or – button on the remote control.

➢ The volume level can be adjust in 31 steps(VOL MIN,VOL 1- VOL 29,and VOL MAX).

6 If it is desired to stop while the playback is processing, press the VCD/CD(▶/❚❚) button.
➢ Press the VCD/CD(▶/❚❚) button once again to playback again.

7 To stop playback, press the ■ button.

➢
- ◆ A new disc may be inserted in the remaining two compartments excluding the CD which is being played back. Press the DISC CHANGER button to open the CD tray. The revolving part does not turn during playbacks.
- ◆ If there is not even one CD inserted in the CD tray, it is indicated as “**NO DISC**”.


STANDBY/ON
1
SOUND MODE
TREBLE
BASS
ECHO
MIC LEVEL
MIC 1
MIC 2
PHONES
SURROUND SOUND
VOLUME
5
ENTER
MULTI JOG
2,4,6
7
MONO/ST
TUNER MEMORY
TAPE 1/2
REC/PAUSE
TUNER BAND
VCD/CD ▶/❚❚
PROGRAM
REVERSE MODE
DUBBING
TAPE ◀▶
CD REPEAT
COUNTER RESET
CD SYNCHRO
PREVIOUS/DOWN
TUNING
NEXT/UP
DEMO/DIMMER
TIMER/CLOCK
TIMER ON/OFF
AI SLEEP

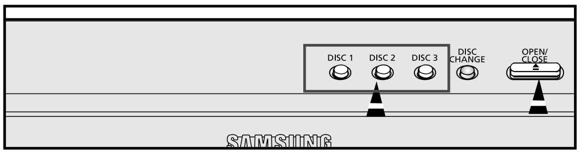
Selecting a CD in the Disc changer

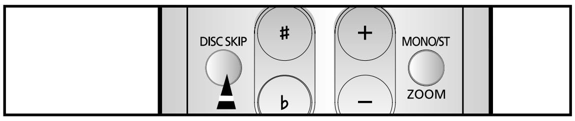
The CD function is automatically selected when Disc Skip is pushed.

To select a specific disc, press the corresponding DISC (1, 2, 3) button on the front panel or DISC SKIP on the remote control, until the required disc indicator flashes.
Result: All the discs will be played in turn, starting with the one selected.

➣ If you wish to play the current disc only, press CD REPEAT one or more times, until **1 CD** is displayed.

➣
- ♦ If you use the DISC (1, 2, 3) function when listening to the radio or to a tape, the system switches automatically to the CD mode.
- ♦ If the disc selected is not loaded, the next disc is played automatically.


DISC 1
DISC 2
DISC 3
DISC CHANGE
OPEN/CLOSE
SAMSUNG


DISC SKIP
#
♭
+
–
MONO/ST
ZOOM

What is MP3?

MP3 means MPEG1 Layer 3, the global standard for audio signal compression technology. It uses digital compression technology to compress original sound data by up to 12 times without sound quality degradation.

File Compatibility

- ♦ The unit will playback files created in MP3 format (Mpeg1.Layer3) with *.mp3 as their extension.
- ♦ Playback will be impossible for the file of MP2 or 22KHz.

How many MP3 files can a CD-R or CD-RW disc record?

The maximum capacity of one CD-R or CD-RW disc is 680MB.
Normally, one MP3 file has a capacity of 4MB, therefore approximately 170 files can be recorded on a single disc.

Regarding the playback of CD-R/RW

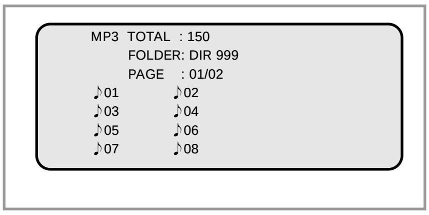
- ♦ In the case of an original CD-R(Recordable) recorded in audio CD format, CD-RW(Rewritable) and editing by the user, playback is processed on the respective completed status. (The player may not be played back according to the characteristics of the CD or recorded status.)
- ♦ The CD-RW is comparably less reflexive than CD which causes more time delay to read.

MP3-CD PLAYBACK

HOW TO PLAYBACK MP3-CD directly

1 After inserting MP3-CD in the Set, Press ▶II button or Number button after Reading.

2 You can see the information of Disc on the TV.



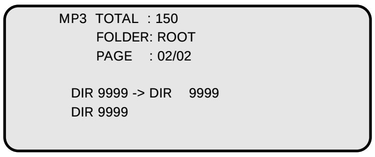
```
MP3  TOTAL  : 150
     FOLDER: DIR 999
     PAGE   : 01/02
♪01          ♪02
♪03          ♪04
♪05          ♪06
♪07          ♪08
```

Select the No of song on the remote control Digits button and you can enjoy the Music.

HOW TO PLAYBACK MP3-CD on MENU MODE

1 After inserting MP3-CD in the Set, Press the "DISC VIEW" button in the stop mode.

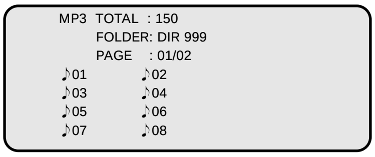
2 You can see the following information of Disc on the TV.



```
MP3  TOTAL  : 150
     FOLDER: ROOT
     PAGE   : 02/02

  DIR 9999 -> DIR    9999
  DIR 9999
```

Select the title by pressing ⏮ and ⏭ buttons and then press ▶/II button to open the title press ⏮ / ⏭ and press ▶/II enjoy the music.



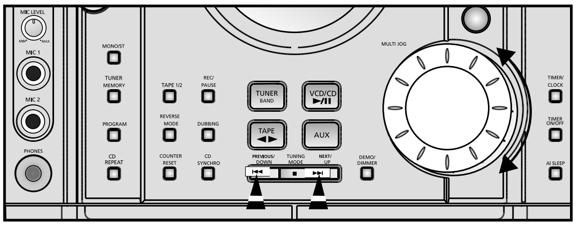
```
MP3  TOTAL  : 150
     FOLDER: DIR 999
     PAGE   : 01/02
♪01          ♪02
♪03          ♪04
♪05          ♪06
♪07          ♪08
```

Selecting a Track

You can select the track you wish to listen to, either when the compact disc player is stopped or when a disc is playing.

To start playback at the beginning of the...	Turn the MULTI JOG knob...
Next track	One notch to the right
Current track	One notch to the left
Previous track	Two notches to the left
Track of your choice	The appropriate number of notches to the right or to the left

➣ ♦ You can also use the ⏮ and ⏭ buttons on the front panel, or the ⏮ and ⏭ buttons on the remote control to select a track.

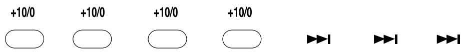

MIC LEVEL
MIC 1
MIC 2
PHONES
MONO/ST
TUNER MEMORY
PROGRAM
CD REPEAT
TAPE 1/2
REC/PAUSE
REVERSE MODE
DUBBING
COUNTER RESET
CD SYNCHRO
TUNER BAND
VCD/CD ▶/II
TAPE ◄►
AUX
PREVIOUS/DOWN
TUNING MODE
NEXT/UP
DEMO/DIMMER
MULTI JOG
TIMER/CLOCK
TIMER ON/OFF
AI SLEEP

Function to skip through 10 tracks at a time

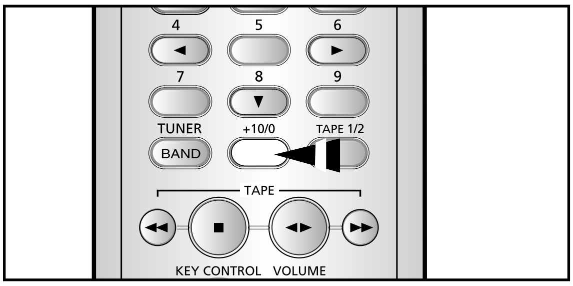
Press the +10/0 button briefly while playing back a CD and VCD. The track 10 tracks after the current one will then be played back.

Example: If you want to select track 43 during playback of track 5, press the +10/0 button four times, and then press the ⏭ button three times or Digit 3 button once.

5 → 10 → 20 → 30 → 40 → 41 → 42 → 43


+10/0
+10/0
+10/0
+10/0
⏭
⏭
⏭

➢ In selecting a track on MP3-CD, digit “0” will be entered if the button of +10/0 is pressed.
Example: If you want to select a track 40 during the playback of a certain track, press both buttons of 4 and +10/0.


4
5
6
7
8
9
TUNER
BAND
+10/0
TAPE 1/2
TAPE
KEY CONTROL
VOLUME

Repeating One or All Tracks on the Compact Discs

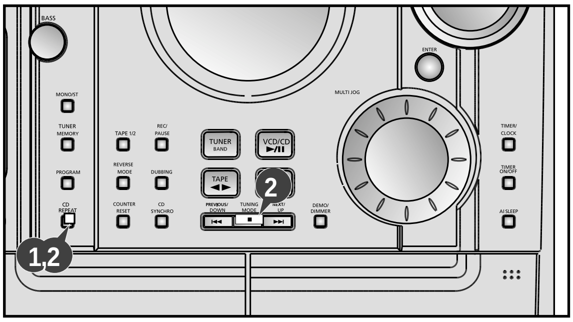
You can repeat indefinitely:

- ♦ A specific track on a compact disc.
- ♦ All tracks on the compact disc selected.
- ♦ All discs loaded in the carrousel

1

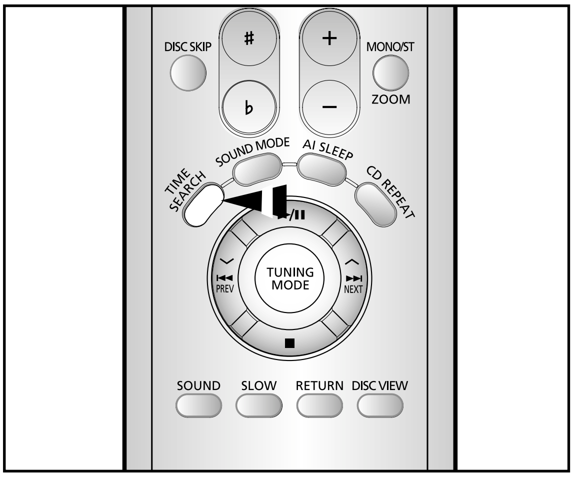
To repeat...	**Press CD REPEAT on the Front Panel once or more times until...**
The current track indefinitely	**REPEAT 1** is displayed
The selected disc	**REPEAT 1 CD** is displayed

2 When you wish to stop the Repeat function, press **CD REPEAT** until **ALL CD** or **1 CD** is displayed, or press ■ .


BASS
ENTER
MULTI JOG
MONO/ST
TUNER MEMORY
TAPE 1/2
REC/PAUSE
TUNER BAND
VCD/CD ►/II
TIMER/CLOCK
PROGRAM
REVERSE MODE
DUBBING
TAPE ◄►
TIMER ON/OFF
CD REPEAT
COUNTER RESET
CD SYNCHRO
PREVIOUS/DOWN
TUNING MODE
NEXT/UP
DEMO/DIMMER
AI SLEEP
2
1,2

Last Memory Function

When a disc playback is selected again after your CD player has been stopped or other function or turned off, this function allows playback from the start of the track that you last listened to.


DISC SKIP
MONO/ST
ZOOM
SOUND MODE
AI SLEEP
TIME SEARCH
CD REPEAT
►/II
TUNING MODE
PREV
NEXT
SOUND
SLOW
RETURN
DISC VIEW

Programming the Order of Playback

You can decide:

- ♦ The order of the track desired to listen
- ♦ The track not desired to listen

➢ ♦ A maximum of up to 30 order of tracks desired to listen may be programmed.
♦ Before selecting the track, the CD player should be stopped.
♦ This function may be used simultaneously with the CD Repeat function.

1 If the CD function is selected, stop the player by pressing ■ .

2 Load the selected CDs.

3 Press **PROGRAM**.
Result: The following indications are displayed:

01 PRGM
P 1 – – – –

(01 = Program no., I = Disc no., – – – – = Track no. on the disc)

4 Select the required track by turning the **MULTI JOG** knob:
- ♦ To the left to move back through the tracks
- ♦ To the right to move forward through the tracks

5 Press **PROGRAM** to confirm your selection.
Result: The selection is stored and 02 PRGM P 1 – – – – is displayed.

6 To select other tracks, repeat Steps **4** to **6**.

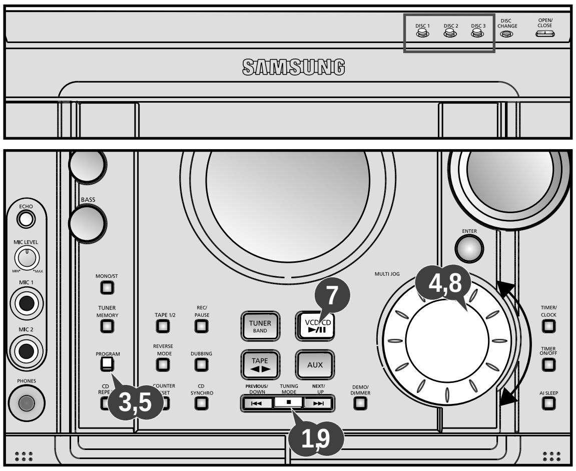
7 Press **VCD/CD** (▶/‖) to listen to the track selection in the order programmed.

8

To...	**Turn the MULTI JOG knob...**
Listen to the current track again	One notch to the left
Listen to the previous track	Two notches to the left
Listen to the next track	One notch to the right
Skip forwards or backwards one or more tracks	The appropriate number of notches to the right or to the left

9 To cancel the selection, press ■.
♦ Once if the compact disc player is stopped.Press ■ twice the selection is canceled.
Result: **PRGM** is no longer displayed.

➢ ♦ If you open the compartment, the selection is cancelled.
♦ You can also use the ⏮ / ⏭ buttons to select the required tracks in step 4, 8.


DISC 1
DISC 2
DISC 3
DISC CHANGE
OPEN/CLOSE
SAMSUNG
BASS
ECHO
MIC LEVEL
MIC 1
MIC 2
PHONES
MONO/ST
TUNER MEMORY
TAPE 1/2
REC/PAUSE
REVERSE MODE
DUBBING
PROGRAM
CD REPEAT
COUNTER RESET
CD SYNCHRO
TUNER BAND
VCD/CD ▶/‖
TAPE ◀▶
AUX
PREVIOUS/DOWN
TUNING MODE
NEXT/UP
DEMO/DIMMER
ENTER
MULTI JOG
TIMER/CLOCK
TIMER ON/OFF
AI SLEEP
7
4,8
3,5
1,9

Checking or Changing Programmed Tracks

You can check or change your selection of tracks at any time.

1 Press ■ once if you have started listening to the selection.

2 Press **PROGRAM**.
Result: The following indications are displayed:

01 PRGM
C 1 – – – –

(C = Check, 01=Program No, I = Disc No, – – – – = Track No on the disc)

➢ If you have already programmed 30 tracks, **C** is displayed instead of **P** when you press **PROGRAM**.

3 Press **PROGRAM** again.
Result: The first track selected is displayed, together with the letter **C** (Change).

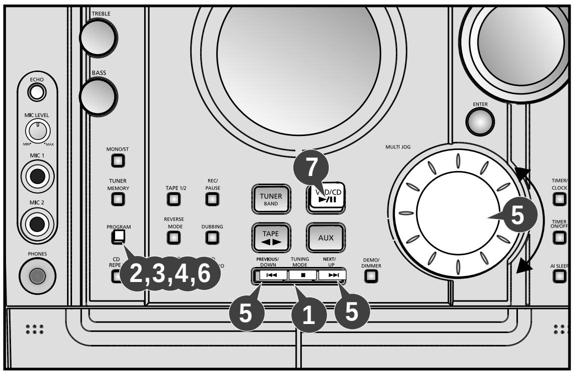
4 Press **PROGRAM** one or more times until the track to be changed is displayed.

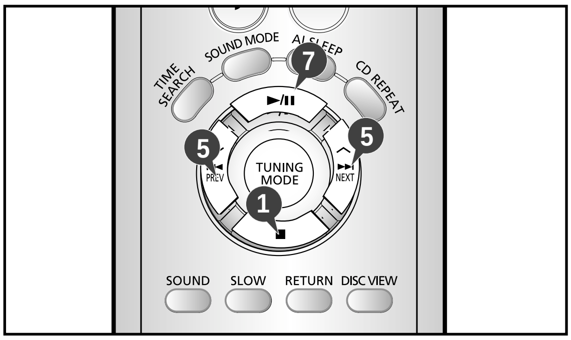
5 Press ⏮ and ⏭ or turn **MULTI JOG** to select a different track.

6 Press **PROGRAM** to confirm your change.

7 Press **VCD/CD** (▶/‖) to start listening to the selection.
Result: The first track selected is played.

➢ When selecting the tracks of numbers larger than 3 digit figures (figures from the number 100), for MP3-CD please use the **Digit** buttons.


TREBLE
BASS
ECHO
MIC LEVEL
MIC 1
MIC 2
PHONES
MONO/ST
TUNER MEMORY
TAPE 1/2
REC/PAUSE
REVERSE MODE
DUBBING
PROGRAM
CD REPEAT
TUNER BAND
VCD/CD ▶/‖
TAPE ◀▶
AUX
PREVIOUS/DOWN
TUNING MODE
NEXT/UP
DEMO/DIMMER
ENTER
MULTI JOG
TIMER/CLOCK
TIMER ON/OFF
AI SLEEP
7
5
2,3,4,6
5
1
5


TIME SEARCH
SOUND MODE
AI SLEEP
CD REPEAT
▶/‖
PREV
TUNING MODE
NEXT
■
SOUND
SLOW
RETURN
DISC VIEW
7
5
5
1

Video CD Player Playback

In order to playback video VIDEO-CD('S), make sure that your unit is connected to your TV set.

This unit is designed for playback of video CD('S), version 1.1 and 2.0. Only with version 2.0, is it possible to call up the on screen menu function. This unit will not play back any other video VIDEO-CD('S) other than 1.1 and 2.0 versions.

1 Turn on the **STANDBY/ON** switch and set the VCD mode.

2 Press the **OPEN/CLOSE** (⏏) button on the unit, to open the CD tray.
Result: "**OPEN**" is displayed and CD tray slides open.

3 Load a video-CD('S) with the label facing upwards in the tray.

4 Press the **OPEN/CLOSE** (⏏) button again to close the CD tray.

5 To playback:
- ◆ In version 1.1, press the ▶/II button for direct access to the film, as there is no menu-on-screen.
- ◆ In version 2.0, load a video CD, "**Video CD2.0**", and "**MENU ON**" are displayed on the TV screen. Press the ▶/II button and the menu is displayed on the TV screen.
  Select a number from the menu using **Digits** button on the remote control or **MULTI JOG** knob and press the **VCD/CD**(▶/II) button.

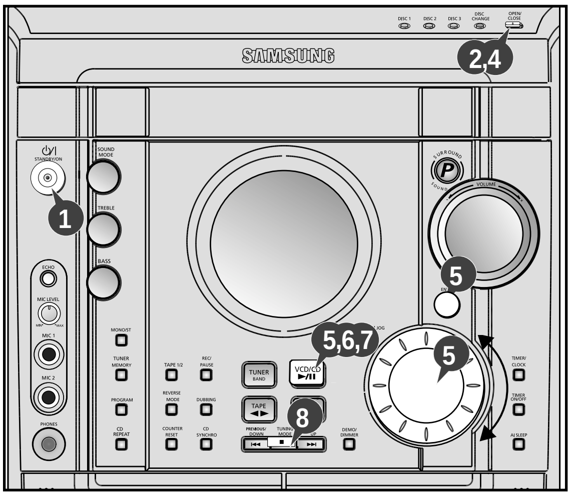
➣ ◆ To return to the previous menu, press the **RETURN** button on the Remote control or **ENTER** button on the front panel .
- ◆ When playing a video-CD('S) version 2.0, reading time on the display may take longer, depending on the disc's contents.

6 Press ▶/II button on the remote control to receive a still picture.
Result: Pause is displayed, a still picture appears and the sound is muted.

7 To return to normal playback, press **VCD/CD**(▶/II) button.

8 Press the Stop (■) button to stop playback.

➣ ◆ Please make sure that the VIDEO-CD('S) to be played is not flawed optically, as this may cause a distorted sound or the unit to malfunction.



Search Functions

You can find a certain passage faster during playback. This function is possible in CD or VCD Ver 1.1 or Ver 2.0 menu off mode.

1

To...	Press and hold down...
Scan forwards	▶▶I
Scan backwards	I◀◀

2 Release the **SKIP/SEARCH** buttons when the desired passage has been found.

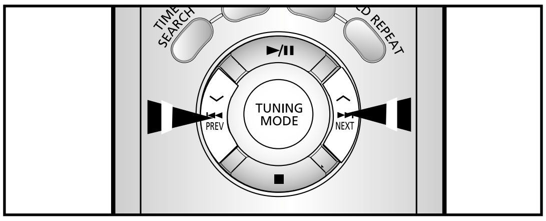
➣ In the video CD version 1.1, where the disc's contents are over 15 minutes long, you can scan up or down by intervals of five minutes.

3

To...	Press...
Scan forwards by 5 minute intervals	▶▶I
Scan backwards by 5 minute intervals	I◀◀

Result: The picture is still, and the disc's contents are forwarded or reversed by 5 minute intervals. Playback then resumes from this new position.

➣ In the SKIP/SEARCH or SCAN mode, the sound can only be partially heard and the picture scenes will change sporadically, until the required passage has been found.
- ◆ The search speed(FF) changes as follows X1, X2, X3, X4 speed.



Time Search Function

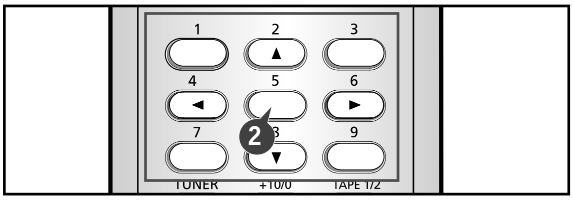
(This function is available only during the playback of a CD/VCD)

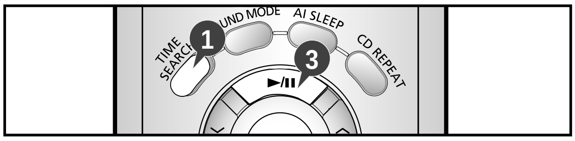
Please use this function for reproducing a desired track in a certain time of playback.

1 Press the **TIME SEARCH** button.

2 Set a desired time by pressing the **DIGIT** buttons.

3 Press the **PLAY (▶/II)** button.





When adjusting play speed

Turn on the TV and set video mode.

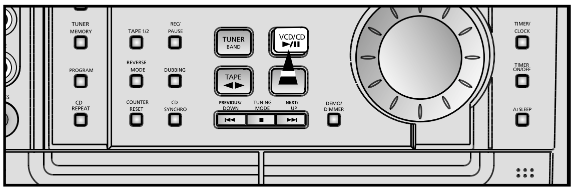
Press the **SLOW** button on the remote controller when the play function is on.

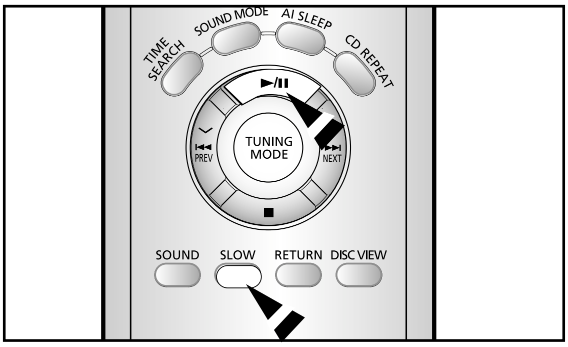
- ◆ Voices do not come out when the **SLOW** button is pressed.
- ◆ Slow playing is 1/2, 1/4, 1/8 the normal playing speed.

To return to normal operation.

- ◆ Press the **VCD/CD** (▶/❚❚) button.

➢ When the slow mode or frame mode is selected a disc will only forward operation.


TUNER MEMORY
TAPE 1/2
REC/ PAUSE
TUNER BAND
VCD/CD ▶/❚❚
TIMER/ CLOCK
PROGRAM
REVERSE MODE
DUBBING
TAPE
TIMER ON/OFF
CD REPEAT
COUNTER RESET
CD SYNCHRO
PREVIOUS/ DOWN
TUNING MODE
NEXT/ UP
DEMO/ DIMMER
AI SLEEP


TIME SEARCH
SOUND MODE
AI SLEEP
CD REPEAT
▶/❚❚
PREV
TUNING MODE
NEXT
SOUND
SLOW
RETURN
DISC VIEW

Sound Selection Function

With this function, you can playback video CD's that provide 2-channel tone(bilingual) in the original language. Similarly, with karaoke video CD's, you can select between the channel for music without vocals for sing-along purpose, or the channel complete with music and vocals.

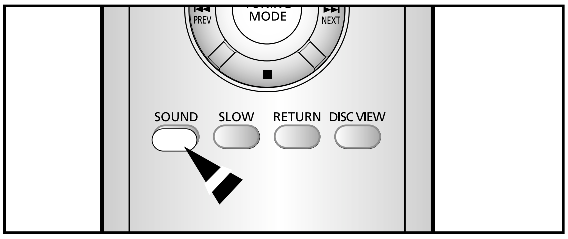
During playback, press the **SOUND** button on the remote control.

Result: Each time the **SOUND** button is pressed, the following appears in the display and on the TV screen:

→ L-CH (L-ch MONO) → R-CH (R-ch MONO) → STEREO

- ◆ **L-CH** : Only the left channel (instrumental parts) is played back through both the right and left speakers.
- ◆ **R-CH** : Only the right channel (vocal parts) is played back through both the right and left speakers.
- ◆ **STEREO** : Cancels the Multiplex Sound (normal stereo playback resumes).

➢ You can select between listening to the tone from the left channel, the right channel or both channels.


PREV
MODE
NEXT
SOUND
SLOW
RETURN
DISC VIEW

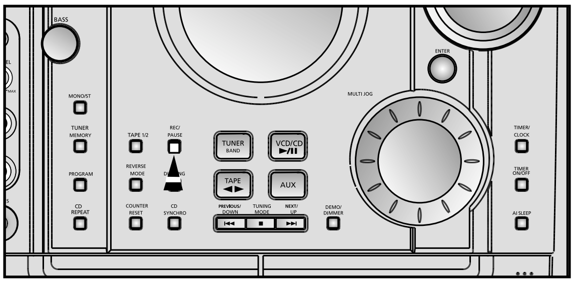
NTSC/PAL Selection Method

According to a DISC or TV, Press the REC/PAUSE button on the front panel.

Set the system to standby(power off) mode, press the **REC/PAUSE** button on the front panel.

Result: Each time the **REC/PAUSE** button is pressed, the following appears in the display:

→ NTSC → PAL


BASS
ENTER
MULTI JOG
MONO/ST
TUNER MEMORY
TAPE 1/2
REC/ PAUSE
TUNER BAND
VCD/CD ▶/❚❚
TIMER/ CLOCK
PROGRAM
REVERSE MODE
TAPE
AUX
TIMER ON/OFF
CD REPEAT
COUNTER RESET
CD SYNCHRO
PREVIOUS/ DOWN
TUNING MODE
NEXT/ UP
DEMO/ DIMMER
AI SLEEP

KEY CONTROL Function

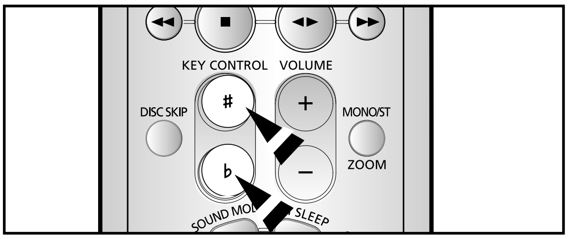
This function can work only at VCD mode when microphone is connected.

Press the **KEY CONTROL** button to adjust the key to your voice. (the 15 step key control you can select)

Result: Each time the **KEY CONTROL** **#**, ***b*** button is pressed, the following appears on the TV screen: ♭ . . . . . ♪♮ . . . . . #

b : Low-Pitched

# : High-Pitched


KEY CONTROL
VOLUME
DISC SKIP
#
+
MONO/ST
♭
–
ZOOM
SOUND MODE
SLEEP

VCD View function

This function can be used conveniently to search a desired track in a VCD. This function is possible in CD or VCD Ver 1.1 or Ver 2.0menu off mode.

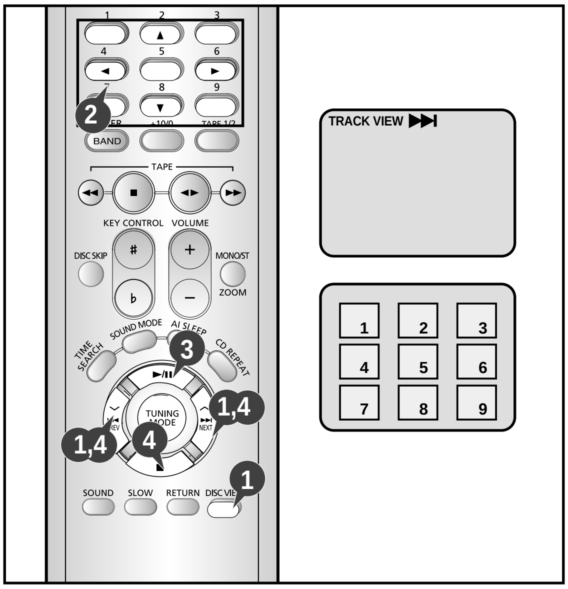
When you want to select a track

1 Press the **DISC VIEW** button in the stop state.
Result: "**TRACK VIEW**" menu is displayed on the screen.
The screen is split into 9 with each screen picture being reproduced for 8 seconds.
– Press NEXT(⏭) button to see the rest tracks.
– Press PREV.(⏮) button to see the previous tracks.

2 Select a track by pressing the **Digits** buttons.
Result: The picture that you selected is displayed in full screen.

3 When you wish to stop the DISC VIEW function, press ■ button.

◆ **When using more than 10 tracks :**
Press the **Digits** and **+10/0** button, select the desired track number
(Reference page 14).
– Press NEXT(⏭) button to see the next track.
– Press PREV.(⏮) button to see the previous track.


TRACK VIEW ⏭
1
2
3
4
5
6
7
8
9
2
3
1,4
1,4
4
1
BAND
TAPE
KEY CONTROL
VOLUME
DISC SKIP
MONO/ST
ZOOM
SOUND MODE
AI SLEEP
TIME SEARCH
CD REPEAT
TUNING MODE
PREV
NEXT
SOUND
SLOW
RETURN
DISC VIEW

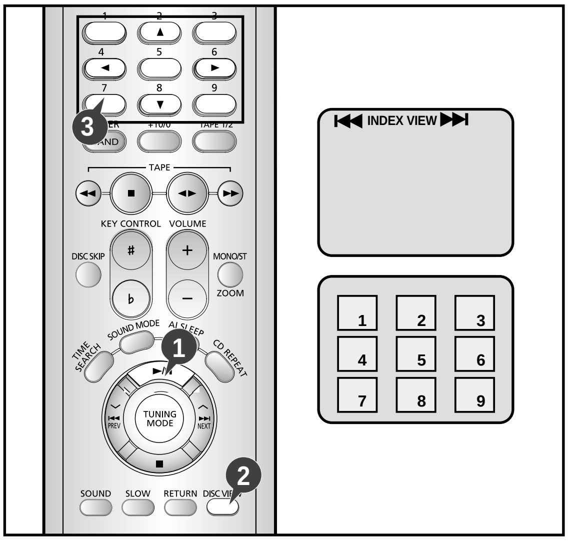
When you want to select an INDEX

This function is convenient to search a desired scene as it displays a track reproduced by time.

1 Reproduce the pictures by pressing the (▶/II) button.

2 Press the **DISC VIEW** button.
Result: "**INDEX VIEW**" menu is displayed on the screen.
The screen is split into 9 with each screen picture being reproduced for 8 seconds.

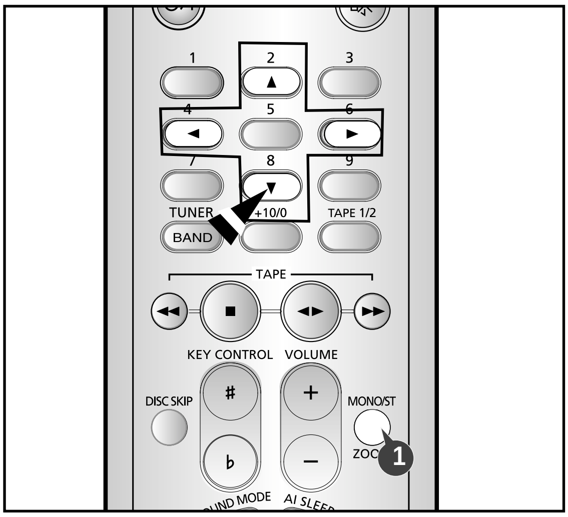
3 Reproduce the pictures by pressing a desired **Digits** button.
Result: The one of nine picture is displayed in full screen.


⏮ INDEX VIEW ⏭
1
2
3
4
5
6
7
8
9
3
1
2
TAPE
KEY CONTROL
VOLUME
DISC SKIP
MONO/ST
ZOOM
SOUND MODE
AI SLEEP
TIME SEARCH
CD REPEAT
TUNING MODE
PREV
NEXT
SOUND
SLOW
RETURN
DISC VIEW

ZOOM Function

1 Press **ZOOM** button during playback.
Result: The picture being reproduced will be enlarged twice as large as the previous one.

◆ During operating the zoom function, if you want to move the picture upward/downward/leftward/rightward, please press the respective **Digits** button (**2,4,6,8**).


1
2
3
4
5
6
7
8
9
TUNER
BAND
+10/0
TAPE 1/2
TAPE
KEY CONTROL
VOLUME
DISC SKIP
MONO/ST
ZOOM
1
SOUND MODE
AI SLEEP

Searching for and Storing the Radio Stations

You can store up to:

- 15 FM stations
- 15 AM stations

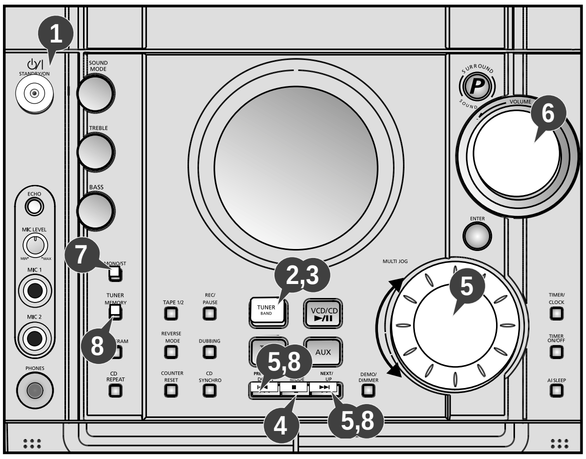
OPTION

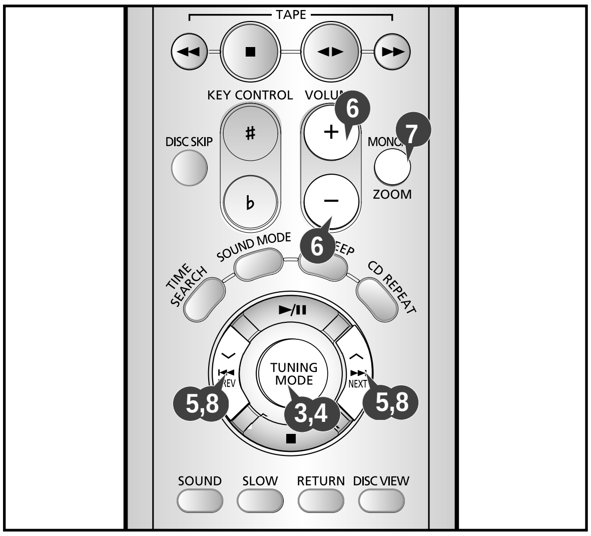
- 15 FM stations
- 8 AM(MW) stations
- 7 LW stations

OPTION

- 15 FM stations
- 5 MW stations
- 5 SW1 stations
- 5 SW2 stations

OPTION


1
STANDBY/ON
SOUND MODE
TREBLE
BASS
ECHO
MIC LEVEL
MIC 1
MIC 2
PHONES
7
MONO/ST
TUNER MEMORY
8
PROGRAM
CD REPEAT
TAPE 1/2
REC/PAUSE
REVERSE MODE
DUBBING
COUNTER RESET
CD SYNCHRO
2,3
TUNER BAND
VCD/CD ►/II
5,8
AUX
NEXT/UP
4
5,8
DEMO/DIMMER
MULTI JOG
5
SURROUND
VOLUME
6
ENTER
TIMER/CLOCK
TIMER ON/OFF
AI SLEEP


TAPE
KEY CONTROL
VOLUME
6
7
DISC SKIP
#
♭
+
−
MONO
ZOOM
SOUND MODE
6
SLEEP
TIME SEARCH
CD REPEAT
►/II
PREV
TUNING MODE
NEXT
5,8
3,4
5,8
SOUND
SLOW
RETURN
DISC VIEW

1 Switch the system on by pressing **STANDBY/ON**.

2 Select the TUNER function by pressing **TUNER**.

3 Select the required frequency band by pressing **TUNER (BAND)** again on the front panel or **TUNING MODE** on the remote control.
Result: The appropriate indication is displayed:

◆ **FM**	Frequency Modulation
◆ **AM(MW)**	Medium Wave
◆ **LW(OPTION)**	Long Wave
◆ **SW1, SW2(OPTION)**	Short Wave

4

To search for a station...	Press TUNING MODE on the front panel or on the remote control
Manually	One or more times until **MANUAL** is displayed.
Automatically	One or more times until **AUTO** is displayed.

5 Select the station to be stored by:

- Turning the **MULTI JOG** knob to the right or to the left to increase or decrease the frequency respectively
  or
- Pressing **TUNING** ∨ or ∧ on the remote control

- To scroll through the frequencies faster when searching manually, hold down the **TUNING MODE DOWN** OR **UP** buttons.
- The automatic search procedure may stop on a frequency that does not correspond to a radio station. If this happens, use the manual search mode.

6 Adjust the volume by:

- Turning the **VOLUME** knob on the front panel
  or
- Pressing the **VOLUME+** or **–** buttons on the remote control

7 Select the FM stereo or mono mode by pressing **MONO/ST**.

8 If you do not want to store the radio station found, revert to Step **4** and search for another station.

Otherwise:

a Press **MEMORY**.
Result: The **PRGM** is displayed for a few seconds.

b Press **TUNING MODE DOWN** AND **UP** to assign a program number between **1** and **15**.

c Press **MEMORY** to store the radio station.
Result: **PRGM** is no longer flashed and the station is stored.

9 To store any other radio frequencies required, repeat Steps **3** to **8**.

➢ ◆ The PROGRAM function can be used to assign a new station to an existing program number.

Selecting a Stored Station

You can listen to a stored radio station as follows:

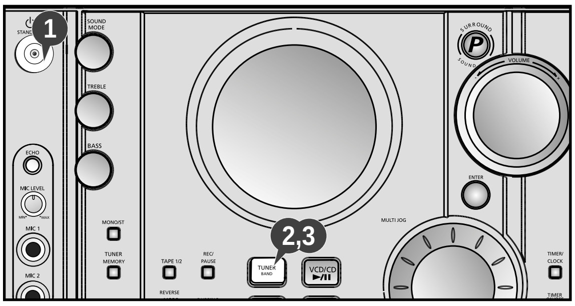
1 Switch the system on by pressing **STANDBY/ON**.

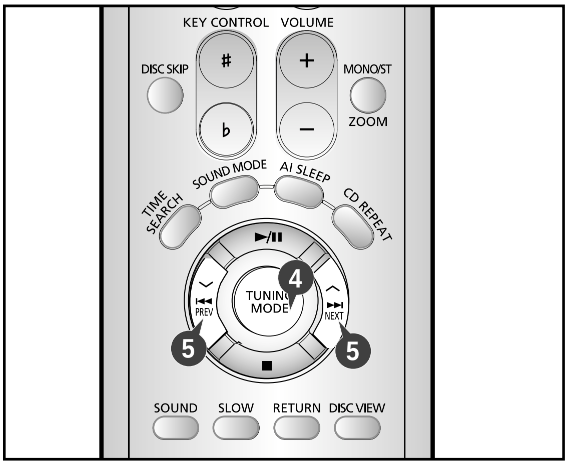
2 Select the TUNER function by pressing **TUNER** (BAND) on remote control.

3 Select the required frequency band by pressing **TUNER** (BAND) on the remote control or **TUNER** (BAND) again on the front panel.

4 Press the **TUNING MODE** button on the front panel of the unit, or the **TUNING MODE** button on the remote control until “**PRESET**” is displayed.

5 Turning **MULTI JOG** on the front panel left or right until the desired station is found or press ⏮/⏭ to select the desired station.
or
Select the desired station by pressing the station number stored, using the **TUNING** ˅ or ˄ button on the remote control.
Result: The desired station is now received.


1
SOUND MODE
TREBLE
BASS
ECHO
MIC LEVEL
MIC 1
MIC 2
SURROUND SOUND
VOLUME
ENTER
MULTI JOG
MONO/ST
TUNER MEMORY
TAPE 1/2
REC/PAUSE
2,3
TUNER BAND
VCD/CD ►/II
TIMER/CLOCK
REVERSE
TIMER

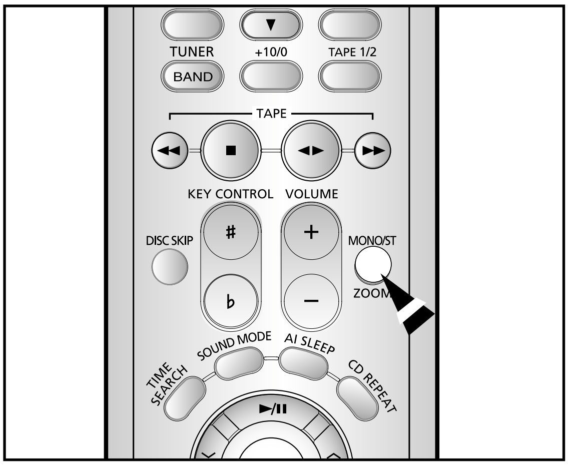

KEY CONTROL
VOLUME
DISC SKIP
MONO/ST
ZOOM
SOUND MODE
AI SLEEP
TIME SEARCH
CD REPEAT
►/II
4
TUNING MODE
PREV
NEXT
5
5
■
SOUND
SLOW
RETURN
DISC VIEW

Improving Radio Reception

You can improve the quality of radio reception by:

- Rotating the FM or AM(MW) aerial
- Testing the positions of the FM and AM(MW) aerials before fixing them permanently

➢ If reception from a specific FM radio station is poor, press **MONO/ST.** to switch from stereo mode to mono. The quality of the sound will be improved.


▼
TUNER
BAND
+10/0
TAPE 1/2
TAPE
KEY CONTROL
VOLUME
DISC SKIP
MONO/ST
ZOOM
SOUND MODE
AI SLEEP
TIME SEARCH
CD REPEAT
►/II

Listening to a Cassette

- Always treat your cassettes with care; refer, if necessary, to the section entitled "**Precautions When Using Audio Cassettes**" on page 26.

1 Switch the system on by pressing the **STANDBY/ON** button.

2 Select the TAPE function by pressing **TAPE** on the front panel.

3 Open either cassette deck 1 or 2 by pushing and releasing the deck cover where **PUSH EJECT** (⏏) is written.

4 Insert the pre-recorded cassette with the open edge of the tape facing downward.

5 Close the deck by pushing on it until it clicks into place.
Result: Depending on the deck selected, the **1** or **2** indication is displayed in front of the counter number.

6 If you have inserted two cassettes, press **TAPE 1/2** on the front panel or directly the **TAPE 1/2** button on the remote control to select the cassette to be played.

Result: Depending on the deck selected, the TAPE 1 or TAPE 2 indication is displayed.

7

To listen to...	Press ...
Side A	TAPE (◄►) once (TAPE 1 and TAPE 2)
Side B	TAPE (◄►) twice (TAPE 2 ONLY)

Result: The cassette starts playing.

8 When the cassette is stopped, select one of the following functions as required.

Main Unit

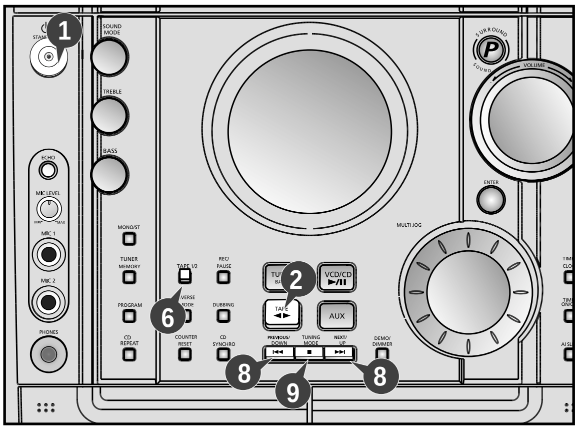
To...	Press ...
Rewind the cassette	⏮
Fast-forward the cassette	⏭

Remote Control

To...	Press ...
Rewind the cassette	◄◄
Fast-forward the cassette	►►

9

To...	Press...
Stop the playback or search	■



CD Synchro Record Feature

You can record a compact disc on a cassette in two different ways:

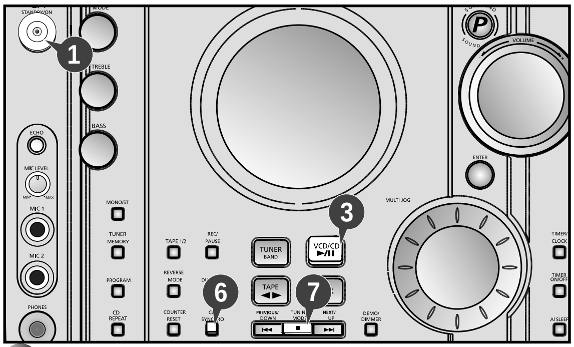
- Synchronised recording
- Direct recording

Synchronised recording

This feature enables you to synchronize the start of the recording with the start of the disc or track of your choice.

1 Switch the system on by pressing **STANDBY/ON**.
2 Insert a blank cassette in Deck 2.
3 Select the VCD/CD function by pressing **VCD/CD** on the front panel.
4 Load a compact disc.
5 Select the required disc.
6 Select the required track and press **CD SYNCHRO** or press **CD SYNCHRO** directly to start recording at the beginning of the disc.
Result: **"SYNC"** and **"REC"** are displayed in red and recording starts.

7 To stop recording, press ■ .



Direct recording

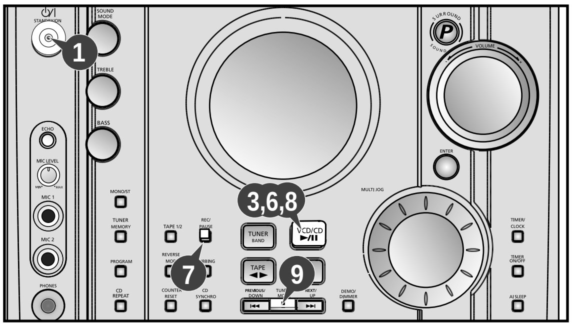
The direct recording mode enables you to start recording with any track on the compact disc.

- You can only record on cassettes in Deck 2.
- You do not need to adjust the volume, as it has no effect on the recording.

1 Switch your system on by pressing **STANDBY/ON**.
2 Insert a blank cassette in Deck 2.
3 Select the VCD/CD function by pressing **VCD/CD** on the front panel.
4 Load the compact disc.
5 Select the required disc.
6 Select the required track on the compact disc and press ▶/❚❚ on the front panel or ▶/❚❚ on the remote control to set the compact disc player to Pause mode.
7 Press the **REC/PAUSE**.
Result: **"REC"** is displayed in red and recording starts.

8 Press the ▶/❚❚ to start playing the track.
Result: The track is recorded on the cassette.

9 To stop recording, press ■ .



Recording a Radio Program

You can record a radio program of your choice.

- ♦ You can only record on cassettes in Deck 2.
- ♦ You do not need to adjust the volume, as it has no effect on the recording.

1 Switch the system on by pressing **STANDBY/ON**.

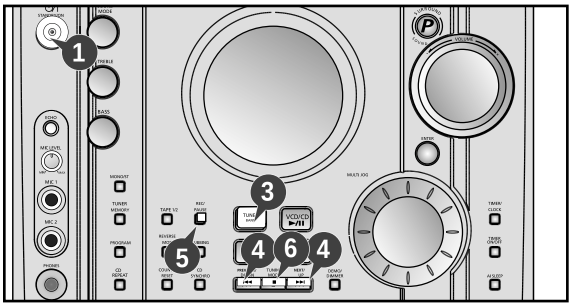
2 Insert a blank cassette in Deck 2.

3 Select the TUNER function by pressing **TUNER**.

4 Select the radio station that you wish to record by pressing **TUNING** ⌃ or ⌄ on the remote control or by press the ⏮/⏭ **DOWN** or **UP** on the front panel.

5 Press **REC/PAUSE**.
Result: **"REC"** is displayed in red and recording starts.

6 To stop recording, press ■ .



1
3
5
4
6
4
STANDBY/ON
MODE
TREBLE
BASS
ECHO
MIC LEVEL
MIC 1
MIC 2
PHONES
MONO/ST
TUNER MEMORY
PROGRAM
CD REPEAT
TAPE 1/2
REC/PAUSE
REVERSE MODE
DUBBING
COUNTER RESET
CD SYNCHRO
TUNER BAND
VCD/CD ►/II
VOLUME
ENTER
MULTI JOG
TIMER/CLOCK
TIMER ON/OFF
AI SLEEP
DEMO/DIMMER

Copying a Cassette (Dubbing)

You can copy a cassette from Deck 1 to Deck 2.
Two options are available:

➢ ♦ Normal speed dubbing

- ♦ You do not need to adjust the volume, as it has no effect on the recording.
- ♦ Take care not to insert the tape to be copied in Deck 2, as it will be erased when you start recording.

1 Switch your system on by pressing **STANDBY/ON**.

2 Insert a blank cassette in Deck 2.

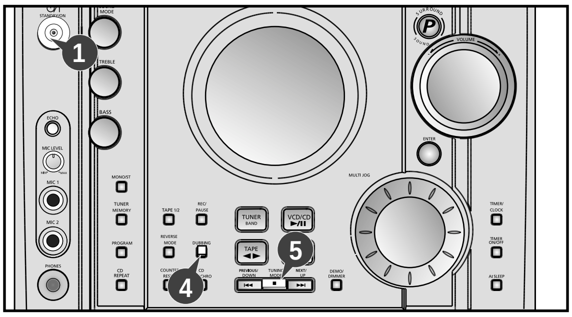
3 Insert the tape to be copied in Deck 1.

4

To copy a cassette at...	Press...
Normal speed ································	**DUBBING**

Result: The appropriate indications are displayed and the cassette in Deck 1 is copied to the cassette in Deck 2.

5 To stop dubbing, press ■ .

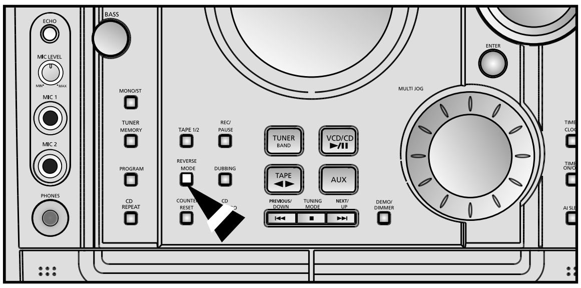


1
5
4
STANDBY/ON
MODE
TREBLE
BASS
ECHO
MIC LEVEL
MIC 1
MIC 2
PHONES
MONO/ST
TUNER MEMORY
PROGRAM
CD REPEAT
TAPE 1/2
REC/PAUSE
REVERSE MODE
DUBBING
TUNER BAND
VCD/CD ►/II
TAPE ◄►
PREVIOUS/DOWN
TUNING MODE
NEXT/UP
DEMO/DIMMER
VOLUME
ENTER
MULTI JOG
TIMER/CLOCK
TIMER ON/OFF
AI SLEEP

Selecting the Cassette Playback Mode(Deck 2 Only)

Your mini-compact system has three cassette playback modes which enable you to listen to both sides of a cassette automatically.
Press Reverse Mode until the appropriate symbol is displayed.

When the display indicates...	The mini-compact system plays back...
⇄ ····························	One side of the selected cassette and then stops.
↻ ····························	One side of the cassette. The other side of the cassette and then stops.
🔁 ····························	Both sides of the cassette indefinitely until you press stop.



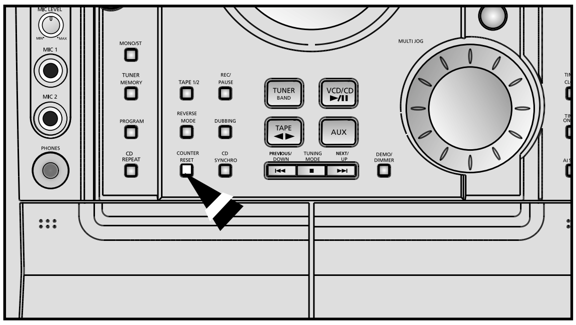
ECHO
BASS
MIC LEVEL
MIC 1
MIC 2
PHONES
MONO/ST
TUNER MEMORY
PROGRAM
CD REPEAT
TAPE 1/2
REC/PAUSE
REVERSE MODE
DUBBING
COUNTER RESET
TUNER BAND
VCD/CD ►/II
TAPE ◄►
AUX
PREVIOUS/DOWN
TUNING MODE
NEXT/UP
DEMO/DIMMER
ENTER
MULTI JOG

Tape Counter

When playing a cassette, a counter is displayed to enable you to take note of the counter value at the start of each track and thus start playback at the beginning of the track to which you wish to listen.

➢ The counter is only displayed when a cassette is being played.

Before starting to record a cassette for which you wish to take note of the counter values at the beginning of each track, reset the counter by pressing **COUNTER RESET**.



MIC LEVEL
MIC 1
MIC 2
PHONES
MONO/ST
TUNER MEMORY
PROGRAM
CD REPEAT
TAPE 1/2
REC/PAUSE
REVERSE MODE
DUBBING
COUNTER RESET
CD SYNCHRO
TUNER BAND
VCD/CD ►/II
TAPE ◄►
AUX
PREVIOUS/DOWN
TUNING MODE
NEXT/UP
DEMO/DIMMER
MULTI JOG

Timer Function

The timer enables you to switch the system on or off at specific times.
Example: You wish to wake up to music every morning.

➢ If you no longer want the system to be switched on or off automatically, you must cancel the timer.

☛
- ♦ Before setting the timer, check that the current time is correct.
- ♦ For each step, you have a few seconds to set the required options. If you exceed this time, you must start again.

---

1 Switch the system on by pressing **STANDBY/ON**.

2 Press **TIMER/CLOCK** until ◷ **TIMER** is displayed.

3 Press **ENTER**.
Result: **ON TIME** is displayed (instead of the equalizer symbols) for a few seconds, followed by any switch-on time already set; you can set the timer switch-on time.

4 Set the timer switch-on time.
- **a** Set the hour by tuning the **MULTI JOG** knob to the right or to the left.
- **b** Press **ENTER**.
  Result: The minutes flash.
- **c** Set the minutes by tuning the **MULTI JOG** knob to the right or to the left.
- **d** Press **ENTER**.
  Result: **OFF TIME** is displayed (instead of the equalizer symbols) for a few seconds, followed by any switch-off time already set; you can now set the timer switch-off time.

5 Set the timer switch-off time.
- **a** Set the hour by tuning the **MULTI JOG** knob to the right or to the left.
- **b** Press **ENTER**.
  Result: The minutes flash.
- **c** Set the minutes by tuning the **Multi Jog** knob to the right or to the left.
- **d** Press **ENTER**.
  Result: **VOL XX** is displayed, where **XX** corresponds to the volume already set.

6 Press ⏮/⏭ **DOWN** and **UP** to adjust the volume level and press **ENTER**.
Result: The source to be selected is displayed.

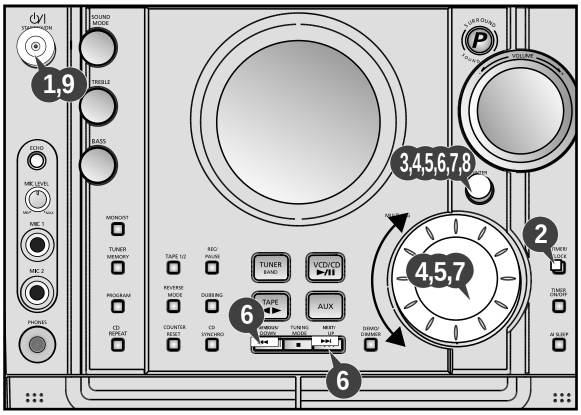
7 Turn the **MULTI JOG** knob to select the source to be played when the system switches on.

If you select...	You must also...
TAPE (cassette)	Insert a recorded cassette in one of the decks before setting the system to standby.
TUNER (radio)	**a** Press **ENTER**. **b** Select a preset station by tuning the **MULTI JOG** knob to the right or to the left.
VCD/CD (compact disc)	**a** Load one or more compact discs. **b** Select the required disc.

8 Press **ENTER** to confirm the timer.

9 Press **STANDBY/ON** to set the system to standby mode.
Result: ◷ is displayed to the bottom left of the time, indicating that the timer has been set. The system will switch on and off automatically at the required times.

➢ If the timer switch on and off times are identical, the word **ERROR** is displayed.



To set the timer function

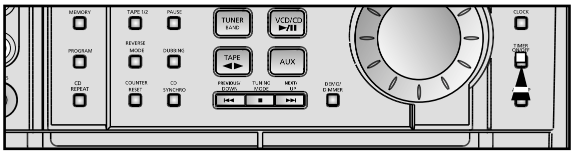
♦ You may use **MULTI JOG** or ⏮ / ⏭ buttons to adjust in step **4,5,6,7**.

Cancelling the Timer

After having set the timer, it will start automatically as shown by the TIMER indication on the display. If you no longer wish to use the timer, you must cancel it.

➢ You can stop the timer at any time (system on or in standby mode).

To...	Press TIMER ON/OFF...
Cancel the timer	Once. Result: ◷ is no longer displayed.
Restart the timer	Twice. Result: ◷ is displayed again.



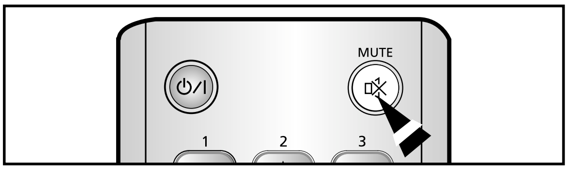
Mute Function

You can turn the sound off temporarily on your system.
Example: You wish to answer a telephone call.

---

1 Press **MUTE**.

2 To switch the sound back on (at the same volume as before), press **MUTE** again or the **VOLUME** buttons.



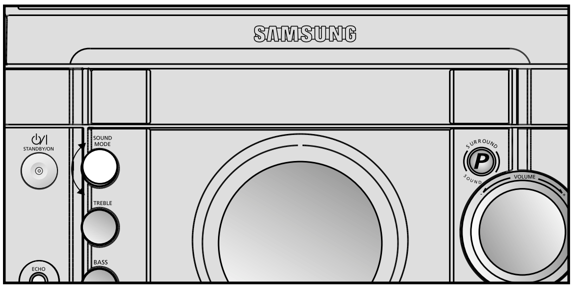
Selecting Sound Mode

Your mini-compact system is equipped with a preset equalizer that allows you to choose the most appropriate balance between treble and bass frequencies, according to the type of music you are listening to.

This model provides D.S.P modes so that you can enjoy virtually original sound.

Turn **SOUND MODE** on the front panel or Press **SOUND MODE** on the remote control until the required option is selected.

To obtain a...	Select...
Normal balance (linear)	PASS
Balance suitable for pop music	POP
Balance suitable for rock music	ROCK
Balance suitable for classic music	CLASSIC
Balance suitable for hall	HALL
Balance suitable for live	LIVE
Balance suitable for cinema	CINEMA
Balance suitable for USER EQ	USER EQ

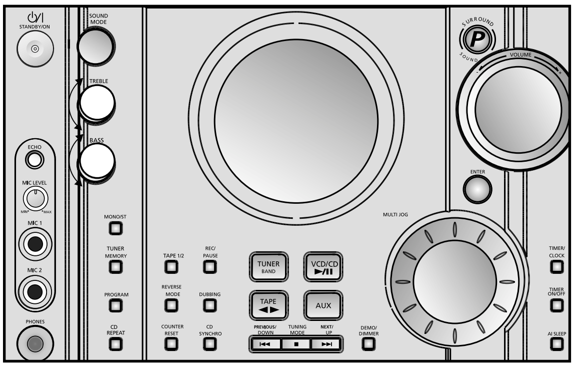

SAMSUNG
STANDBY/ON
SOUND MODE
TREBLE
BASS
ECHO
SURROUND
P
SOUND
VOLUME

Treble/Bass Control Function (User EQ)

Treble/BASS Control function stresses high or low tones providing thudding sound effects.

1 Turn **TREBLE** knob on the front panel to select from **TRE -8** to **TRE +8,** total 9 steps**.**Turn **BASS** knob on the front panel to select from **BASS -8** to **BASS +8 ,** total 9 steps**.**

2 You can select the level of high or low tones you desire.


STANDBY/ON
SOUND MODE
TREBLE
BASS
ECHO
MIC LEVEL
MIC 1
MIC 2
PHONES
SURROUND
P
SOUND
VOLUME
ENTER
MULTI JOG
MONO/ST
TUNER MEMORY
TAPE 1/2
REC/PAUSE
TUNER BAND
VCD/CD ►/II
PROGRAM
REVERSE MODE
DUBBING
TAPE ◄►
AUX
CD REPEAT
COUNTER RESET
CD SYNCHRO
PREVIOUS/DOWN
TUNING MODE
NEXT/UP
DEMO/DIMMER
TIMER/CLOCK
TIMER ON/OFF
AI SLEEP

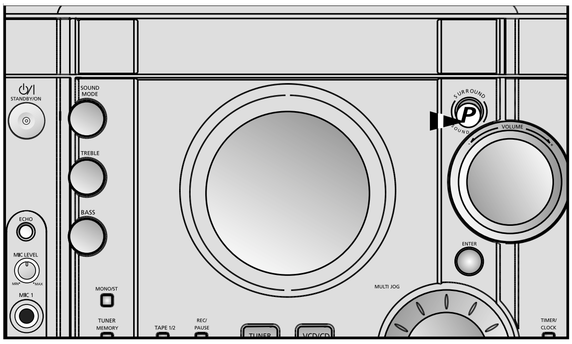
Power Surround/Power Sound Function

Your mini-compact system is equipped with the function of Power Surround/Power Sound.

The Power Surround replaces conventional stereo sound with a wider and more true-to-life sound. It creates the feeling of being right at the centre of the music and being surrounded by total music sound.
The function of Power Sound amplifies bass and improves high key or bass twice as much for you to appreciate powerful real sound.

➢ Press P.SURROUND/P.SOUND button on the front panel until the required option is selected. Each time the P. SURROUND/ P.SOUND button is pressed, **"P,SOUND**,**P,SURR ,OFF"** is selected or cancelled in this order.

➢ The P. SURROUND function is not available if plugging the Microphone into MIC jack.


STANDBY/ON
SOUND MODE
TREBLE
BASS
ECHO
MIC LEVEL
MIC 1
SURROUND
P
SOUND
VOLUME
ENTER
MULTI JOG
MONO/ST
TUNER MEMORY
TAPE 1/2
REC/PAUSE
TUNER
VCD/CD
TIMER/CLOCK

Setting the System to Switch off Automatically

While listening to a compact disc or a cassette, you can set the system to switch off automatically
Example: You wish to go to sleep to music.

1 Press **AI SLEEP**.
Result: playback starts and the following indications are displayed:

90 MIN

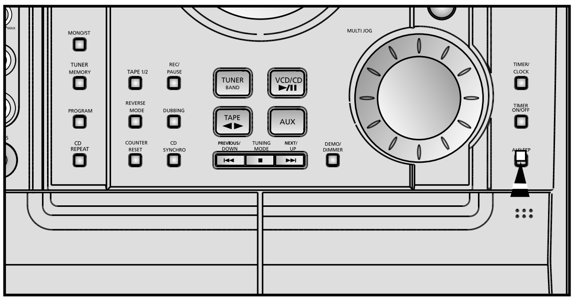
2 Press **AI SLEEP** once or more times to indicate how long the system should continue playing before it switches off:

(AI SLEEP) → 90 MIN → 60 MIN → 45 MIN
OFF ← 15 MIN ← 30 MIN

➢ At any time, you can:
- Check the remaining time by pressing **AI SLEEP**
- Change the remaining time by repeating Steps **1** and **2**

3 Press **AI SLEEP** once or more times until **AI SLEEP** is displayed.
Result: The system will automatically switch off at the end of the disc or cassette.

4 To cancel SLEEP function, press **AI SLEEP** once or more times until **OFF** is display.

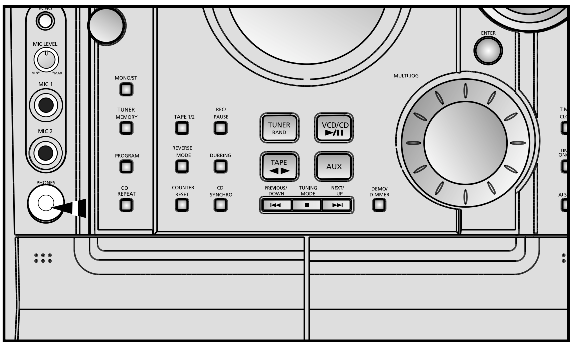


Connecting Headphones

You can connect a set of headphones to your mini-compact system so that you can listen to music or radio programmers without disturbing other people in the room. The headphones must have a 3.5ø jack or an appropriate adapter.

Connect the headphones to the **PHONES** jack on the front panel.
Result: The loudspeakers are no longer used to output the sound.

☛ Prolonged use of headphones at a high volume may damage your hearing.



Microphone Function

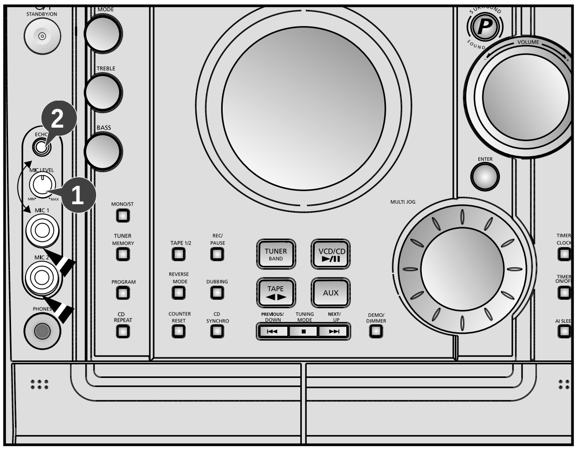
The microphone enables the user to mix in his or her vocals to sing-along with the music or recording .

Preparation
Plug the microphone with two 6.3mm mic jacks into microphone terminal.

1 Turn the **MIC LEVEL** knob to adjust the **MIC** volume.

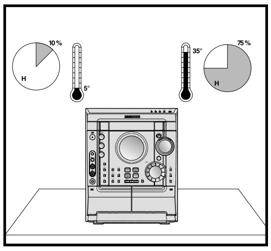
2 Press the **ECHO** button to select ECHO1,ECHO2, and ECHO OFF.

➢ The **POWER SURROUND** function is not available if plugging the Microphone into **MIC** jacks.



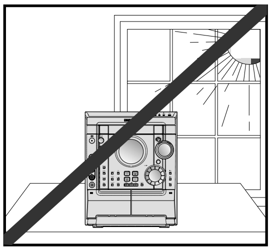
Safety Precautions

The following diagrams illustrate the precautions to be taken when using or moving your mini-compact system.

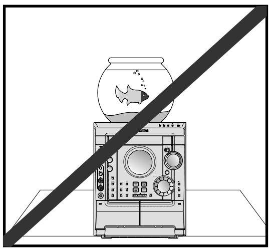


Ambient operating conditions:

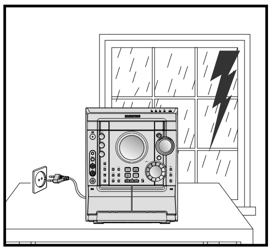
Ambient temperature	5°C-35°C
Humidity	10-75%



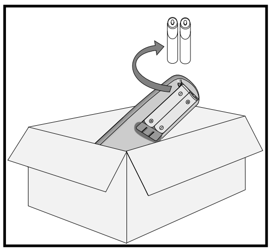
Do not expose the unit to direct sun radiation or other heat sources. This could lead to overheating and malfunction of the unit.



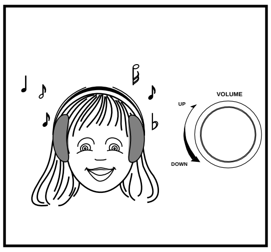
Do not place potted plants or vases on top of the unit. Moisture entering the unit could lead to dangerous electric shock and can cause equipment damage. In such events immediately disconnect the main plug from the socket.



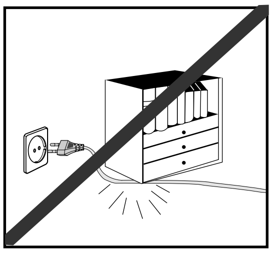
During thunderstorms, disconnect the main plug from the socket. Main voltage peaks due to lightning could damage the unit.



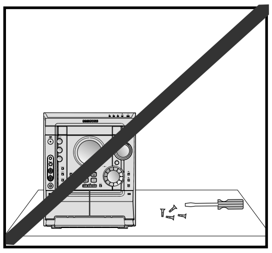
Remove the batteries from the remote control, if not used for any extended period.
Leaking batteries can cause serious damage to the remote control.



When using headphones, take care not to listen at excessive volumes. Extended use of headphones at high volumes will lead to hearing damage.



Do not place heavy items on the main lead. Main cable damage can lead to damage of the equipment (fire hazard) and can cause electric shock.



Do not remove any equipment panels. The inside of the unit contains live components, which cause electric shock.

Cleaning Your Mini-Compact System

To obtain the best possible results from your mini-compact system, you must clean the following elements regularly:

- The outer casing
- The compact disc player
- The cassette players (heads, rollers and drive capstans)

☛ Always unplug the system from the wall outlet:
  - Before cleaning it
  - If you are not going to be using it for a long time

Outer Casing

Clean the outer casing regularly using a soft cloth and a light detergent. Do not use abrasive powders, liquids or aerosol cleaners. Never let any liquids get into the system.

Compact Disc Player

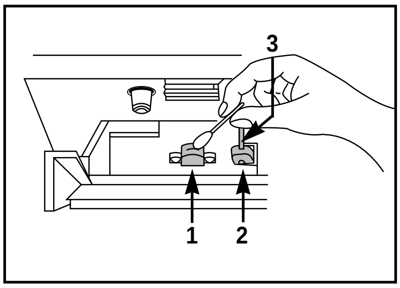
1 Before playing a compact disc, clean it with a special CD cleaning agent. Do not use the same cleaning agents as for vinyl LP records. Carefully wipe the disc from the centre outward.

2 Regularly clean the player with a special cleaning disc (available from your local dealer).

Tape Decks

1 Press **Push Eject**(⏏) to open the cassette deck.

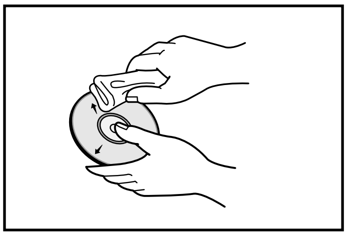
2 Use a cotton bud and a special cassette cleaning agent to clean the:
  - Head (1)
  - Rollers (2)
  - Drive capstans (3)



☛
- If you will not be using the remote control for a long time, remove the batteries to prevent corrosion.
- Although your system is very hard-wearing, it should not be used in an excessively dusty environment or subjected to shocks or extreme heat (close to heating appliances or in direct sunlight, etc.).
- If the unit emits an unpleasant odor when in use, unplug it from the main supply and contact the after-sales service.

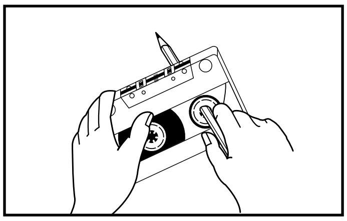
Precautions When Using Compact Discs

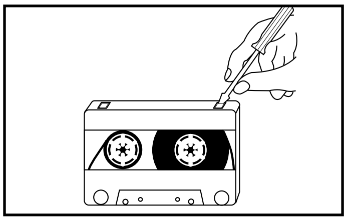
- Handle your compact discs with care. Always hold them by the edges to avoid leaving fingerprints on the shiny surface.
- When you have finished playing a compact disc, always put it back in its case.
- Do not fix paper or adhesive tape to the discs and do not write on the label.
- Clean them with a special-purpose cloth.
- Store your compact discs in a clean place, out of direct sunlight, where they will not be exposed to high temperatures.
- Always use compact discs marked COMPACT DISC DIGITAL AUDIO .

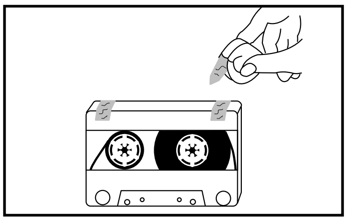


Precautions When Using Audio Cassettes

- Check that the tape in the cassette is sufficiently taught.
- To prevent erasing a cassette that you wish to keep, remove the safety tab on the upper edge of the cassette. To record a cassette, where the tab has been broken, simply cover the opening with adhesive tape.
- When you have finished playing a cassette, always put it back in its case.
- Store your cassettes in a clean place, out of direct sunlight, where they will not be exposed to high temperatures.
- Avoid using 120-minute cassettes as they place unnecessary strain on the tape mechanism.







Before Contacting the After-Sales Service

It always takes a little time to become familiar with a new appliance. If you have any of the problems listed below, try the solutions given. They may save you the time and inconvenience of an unnecessary service call.

	Problem	Checks/Explanation
GENERAL	The system does not work	• *The main lead is not correctly plugged into a wall socket or the wall socket is not switched on.* • *The remote control batteries need replacing or the polarity has not been respected.* • *The **STANDBY/ON** button has not been pressed.*
	There is no sound	• *The volume has been completely turned down.* • *The correct function (TUNER, VCD,CD, TAPE, AUX) has not been selected.* • *You have connected a set of earphones.* • *The loudspeaker wires have been disconnected.* • *The **MUTE** button has been pressed.*
	The Timer does not work	• *The timer has been stopped by pressing **TIMER ON/OFF**.*
	In case it does not work, even the action is taken as above.	• *Press the **P.SURROUND/P.SOUND** button for 5 seconds in power 'OFF'(standby), then it is returned the original position (RESET)*
CD/MP3-CD	The compact disc player does not start playing	• *The CD function has not been selected.* • *The disc has been inserted face down or is either dirty or scratched.* • *The laser sensor is dirty or dusty.* • *The system has not been installed on a flat, horizontal surface.* • *Condensation has formed in the player; leave the system in a warm, airy room for at least one hour.*
	The MP-3 CD player cannot be played.	• *Use the PC to confirm if the extension is *.mp3.*
CASSETTES	The tape does not start playing	• *The **TAPE** function has not been selected.* • *The cassette has not been inserted correctly.* • *The cassette player has not been closed.* • *The tape is either slack or broken.*
	The volume falls off The cassette is not erased correctly There is excessive wow and flutter	• *The audio heads are dirty.* • *The rollers or drive capstans are dirty.* • *The tape is worn.*
RADIO	Reception is poor or no radio stations are received at all	• *The **TUNER** function has not been selected.* • *The radio frequency has not been correctly selected.* • *The aerial has been disconnected or is not facing the right way. Turn it until you find the best orientation.* • *You are in a building that blocks radio waves; you must use an outside aerial.*

If the above guidelines do not allow you to solve the problem, take a note of:

- The model and serial numbers, normally printed on the rear of the system
- Your warranty details
- A clear description of the problem

Then contact your local dealer or SAMSUNG after-sales service.

Technical Specifications

SAMSUNG strives to improve its products at all times. Both the design specifications and these user instructions are thus subject to change without notice.

RADIO	
SW(OPTION)	
Usable sensitivity	40 dB
LW(OPTION)	
Usable sensitivity	60 dB
AM (MW)	
Signal/noise ratio	40 dB
Usable sensitivity	56 dB
Total harmonic distortion	2 %
FM	
Signal/noise ratio	55 dB
Usable sensitivity	10 dB
Total harmonic distortion	0.6 %
COMPACT DISC PLAYER	
Capacity	3 discs
Frequency range	20 Hz - 20 KHz (± 1 dB)
Signal/noise ratio	85 dB (at 1 KHz) with filter
Distortion	0.05 % (at 1 KHz)
Channel separation	75 dB
Disc sizes	Diameter: 120 or 80 mm. Thickness: 1.2 mm
TAPE DECK	
Frequency range	125 Hz ~ 10 KHz
Signal/noise ratio	40 dB
Channel separation	30 dB
Erasing effect	50 dB(without filter)
AMPLIFIER	
Output power	
Speaker(6 Ω)	100 Watts/CH RMS,IEC (total harmonic distortion: 10 %)
Channel separation	40 dB
Signal/noise ratio	75 dB
GENERAL	
Dimensions	270 (D) x 332 (H) x 426 (W) mm

THIS APPLIANCE IS MANUFACTURED BY:

SAMSUNG
ELECTRONICS